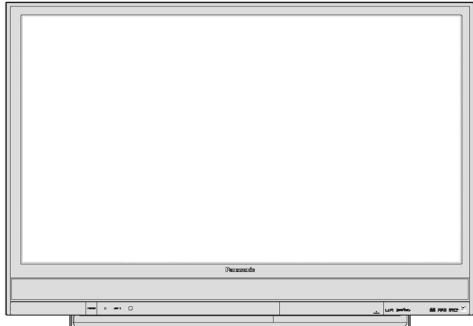


Service Manual

Multi Media Display



PbF
Solder Lead free

PT-50LCZ70
PT-56LCZ70
PT-61LCZ70
PT-50LCZ7
PT-56LCZ7
PT-61LCZ7
PT-50LCZ70-K
PT-56LCZ70-K
PT-61LCZ70-K

Vol. 2

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

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1 Service Navigation

1.1. Introduction

This service manual contains technical information which will allow service personnel's to understand and service this model. Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplement service manual to be filed with original service manual.

1.2. About Lead Free Solder (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF printing on the PCB.
(Please refer to figures.)



Printed case

CAUTION:

- Pb free solder has a higher melting point than standard solder;
Typically the melting point is 50 °F - 70 °F (30 °C - 40 °C) higher.
Please use a soldering iron with temperature control and adjust it to 700 °F±20 °F (370 °C± 10 °C).
In case of using high temperature soldering iron, please be carefull not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100 °F/600 °C).
- All products with the printed circuit board with PbF stamp or printing must be serviced with lead free solder.
When soldering or unsoldering, completely remove all of the solder from the pins or solder area,
and be sure to heat the soldering points with the lead free solder until it melts sufficiently.

Recommendations

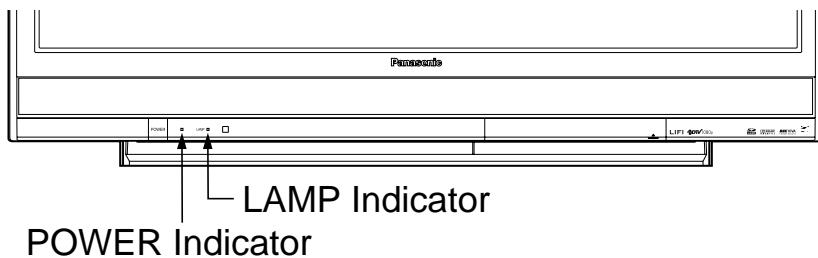
Recommended lead free solder composition is Sn96.5 Ag3.0 Cu0.5.

2 Service Mode

INDICATIONS FOR ERROR CONDITIONS

Each Indicator facilitates finding the cause of an error.

When an error is detected, the Lamp goes off and the indicators on the front flash.



(Note 1)

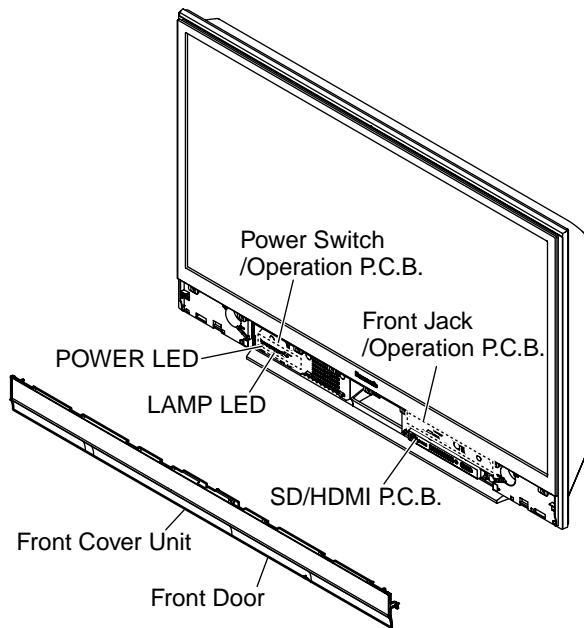
Priority	Error Information	POWER Indicator flashes orange	LAMP Indicator flashes red	SOS	LAMP OFF	RESET
1	Over voltage/Over current (SOS)	1	-	01	<input type="radio"/>	AC ON/OFF
2	Abnormal voltage (DTV+9V line)	2	-	02	<input type="radio"/>	
3	Abnormal voltage (SUB+5V line)	3	-	03	<input type="radio"/>	
4	Abnormal voltage (MAIN+3.3V line)	4	-	04	<input type="radio"/>	
5	IC4501 (Audio Amp) failure	6	-	06	<input type="radio"/>	
6	Communication error between Peaks (IC8001) and TV Microcontroller (IC6004)	7	-	07	<input type="radio"/>	
7	Communication error between Peaks (IC8001) and TV Microcontroller (IC6004)	9	-	09	<input type="radio"/>	
12	Lamp does not light up	-	2	02	<input type="radio"/>	Power ON/OFF
9	Lamp failure	-	3	03	<input type="radio"/>	
10	Abnormal Lamp temperature	-	4	04	<input type="radio"/>	
11	Lamp communication error	-	5	05	<input type="radio"/> (Note 2)	
14	Lamp Fan stops	-	8	08	<input type="radio"/>	AC ON/OFF
15	Fan Case Unit (OPT Fan) stops	-	9	09	<input type="radio"/>	
16	Front Fan or Rear Fan stops	-	10	0A	<input type="radio"/>	
17	Rear Fan or Front Fan stops	-	11	0B	<input type="radio"/>	
13	Rear Jack PCB connection error	-	12	0C	<input type="radio"/>	Power ON/OFF
8	Abnormal Lamp input voltage (+26V)	-	13	0D	<input type="radio"/>	

Note:

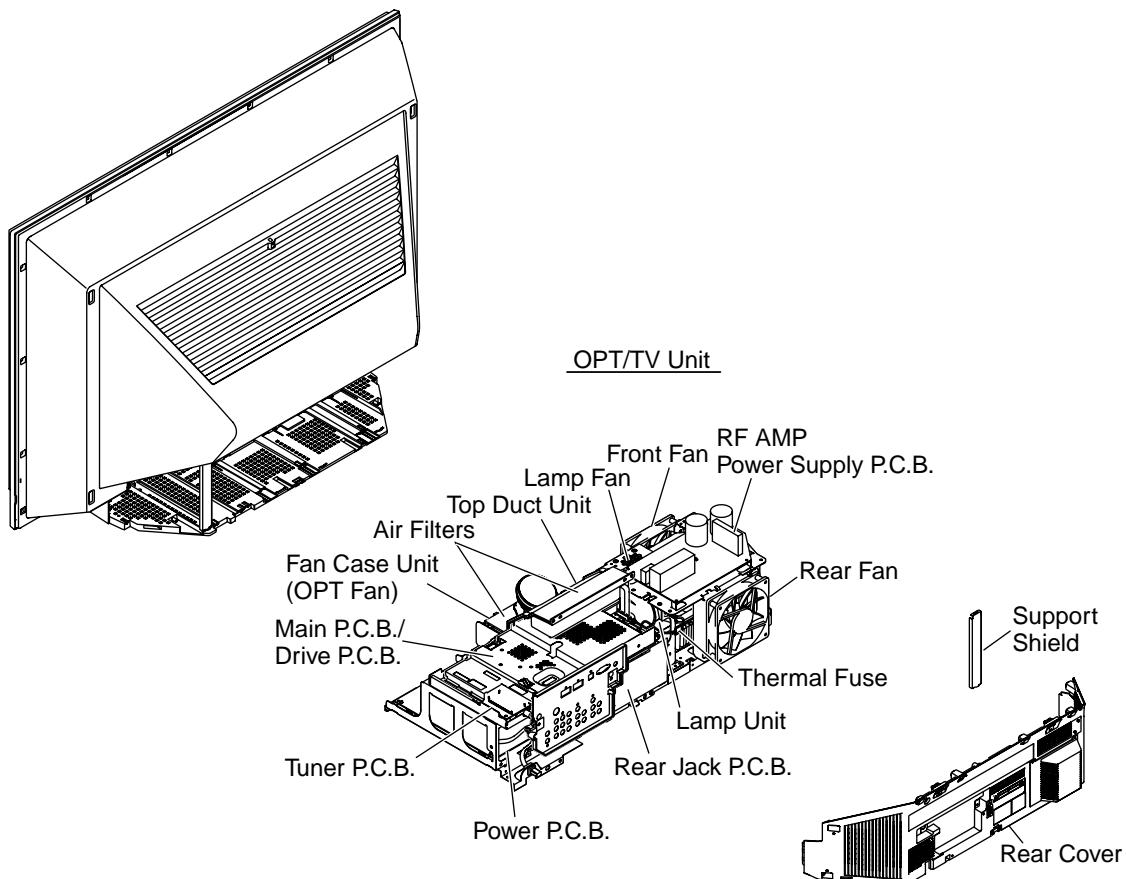
1. The detected Error data will be stored in the EEPROM, and SOS History (Code) is displayed in Self Check mode or Service Adjust mode (SRV-TOOL).
2. The Lamp Indicator will flash X5 immediately after the Lamp goes off. For this SOS only, the TV power will remain on.

MAIN PARTS LOCATION

<Front View>



<Rear View>



SERVICE ADJUST MODE

In this mode, the following information can be confirmed on the screen:

ADJUST

- Contrast adjustment

WB-ADJ

- White Balance adjustment

OPTION

- Current Lamp elapsed time

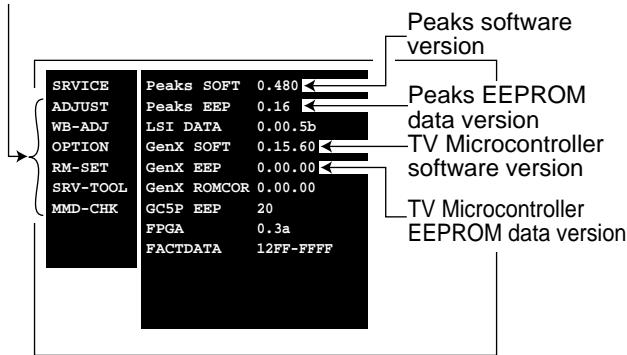
RM-SET (Not used for service)

SRV-TOOL

- SOS History
- The number of times of the power has turned on
- Current Power on elapsed time

MMD-CHK

- Focus, Tilt, H/V Picture Position adjustment
- Internal pattern for LCD-CHK, GC-CHK



<Main Menu>

Service Adjust Mode

Enter:
VOLUME DOWN button + RECALL key (3 times)
(in power on condition)

VOL (on the front)
 + (on the remote)
 RECALL (X3)

2 key	<table border="1"> <tr><td>Peaks SOFT</td><td>0.480</td></tr> <tr><td>Peaks EEP</td><td>0.16</td></tr> <tr><td>LSI DATA</td><td>0.00.5b</td></tr> <tr><td>OPTION</td><td>GenX SOFT 0.15.60</td></tr> <tr><td>RM-SET</td><td>GenX EEP 0.00.00</td></tr> <tr><td>SRV-TOOL</td><td>GenX ROMCOR 0.00.00</td></tr> <tr><td>MMD-CHK</td><td>GCSP EEP 20</td></tr> <tr><td></td><td>FPGA 0.3a</td></tr> <tr><td></td><td>FACTDATA 12FF-FFFF</td></tr> </table>	Peaks SOFT	0.480	Peaks EEP	0.16	LSI DATA	0.00.5b	OPTION	GenX SOFT 0.15.60	RM-SET	GenX EEP 0.00.00	SRV-TOOL	GenX ROMCOR 0.00.00	MMD-CHK	GCSP EEP 20		FPGA 0.3a		FACTDATA 12FF-FFFF	1 key	<Main Menu>	2 key
Peaks SOFT	0.480																					
Peaks EEP	0.16																					
LSI DATA	0.00.5b																					
OPTION	GenX SOFT 0.15.60																					
RM-SET	GenX EEP 0.00.00																					
SRV-TOOL	GenX ROMCOR 0.00.00																					
MMD-CHK	GCSP EEP 20																					
	FPGA 0.3a																					
	FACTDATA 12FF-FFFF																					

1 key	<table border="1"> <tr><td>ADJUST</td><td>VIVID</td></tr> <tr><td>CONTRAST</td><td>290</td></tr> <tr><td>YMAX</td><td>394</td></tr> </table>	ADJUST	VIVID	CONTRAST	290	YMAX	394	2 key
ADJUST	VIVID							
CONTRAST	290							
YMAX	394							
1.2:MAIN SELECT 3:PICTURE MENU SELECT 9:EX-ADJUST ADJUST VOL:ADJUST								

1 key	<table border="1"> <tr><td>WB-ADJ</td><td>VIVID</td></tr> <tr><td>R-CUT</td><td>0</td></tr> <tr><td>B-G</td><td>0</td></tr> <tr><td>FORMAT</td><td>SD</td></tr> <tr><td>ASPECT</td><td>NORMAL</td></tr> <tr><td>COLOR TEMP</td><td>COLD</td></tr> </table>	WB-ADJ	VIVID	R-CUT	0	B-G	0	FORMAT	SD	ASPECT	NORMAL	COLOR TEMP	COLD	2 key
WB-ADJ	VIVID													
R-CUT	0													
B-G	0													
FORMAT	SD													
ASPECT	NORMAL													
COLOR TEMP	COLD													
1.2:MAIN SELECT 3:4:6:8 SELECT 7:COLOR TEMP SELECT 9:PICTURE MENU SELECT VOL:ADJUST														

1 key	<table border="1"> <tr><td>OPTION</td><td>VIVID</td></tr> <tr><td>Boot</td><td>203</td></tr> </table>	OPTION	VIVID	Boot	203	2 key
OPTION	VIVID					
Boot	203					
1.2:MAIN SELECT 3:4:6:8 SELECT 7:COLOR TEMP SELECT 9:PICTURE MENU SELECT VOL:ADJUST						

1 key	<table border="1"> <tr><td>RM-SET</td><td>VIVID</td></tr> </table>	RM-SET	VIVID	2 key
RM-SET	VIVID			
1.2:MAIN SELECT 3:PICTURE MENU SELECT VOL:ADJUST				

1 key	<table border="1"> <tr><td>SRV-TOOL</td><td>VIVID</td></tr> </table>	SRV-TOOL	VIVID	2 key
SRV-TOOL	VIVID			
1.2:MAIN SELECT 3:4:6:8 SELECT 7:PICTURE MENU SELECT VOL:ADJUST				

1 key	<table border="1"> <tr><td>MMD-CHK</td><td>VIVID</td></tr> <tr><td>FRQ</td><td>0.3</td></tr> </table>	MMD-CHK	VIVID	FRQ	0.3	2 key
MMD-CHK	VIVID					
FRQ	0.3					
1.2:MAIN SELECT 3:4:6:8 SELECT 7:PICTURE MENU SELECT VOL:ADJUST						

CAUTION:
Do not change any parameters!

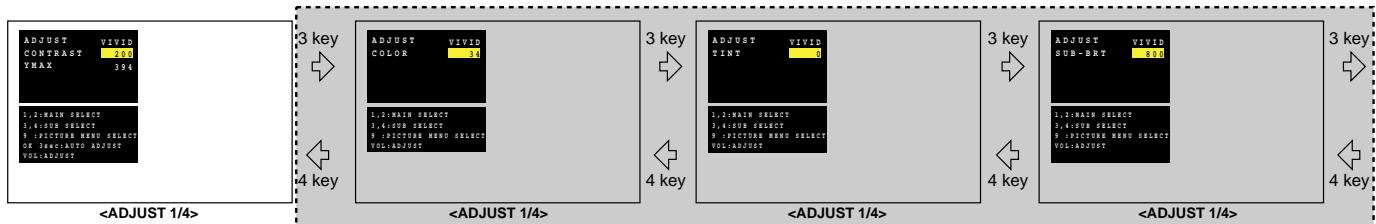
Exit from Main Menu:
Power OFF.

Fig. 2-1

ADJUST 1/4~4/4

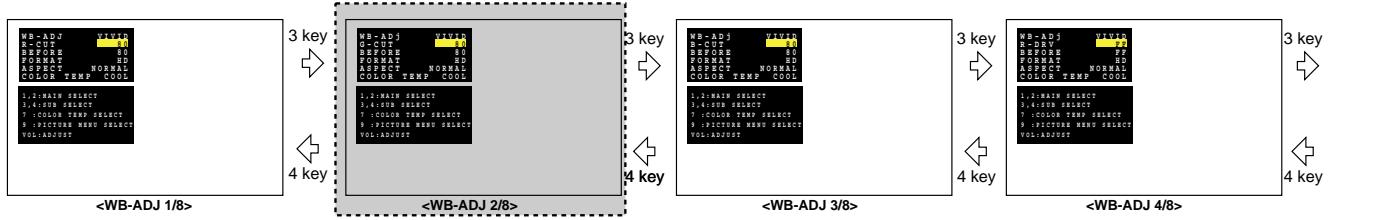
Perform the Contrast adjustment by pressing OK key when replacing EEPROM IC (IC8201).

(Not used for service)

**WB-ADJ 1/8~8/8**

Perform the White Balance adjustment by pressing VOL+/- key.

(Not used for service)



(Not used for service)

(Not used for service)

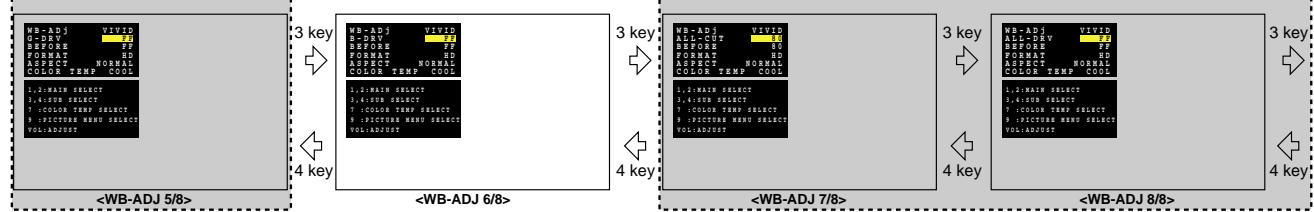
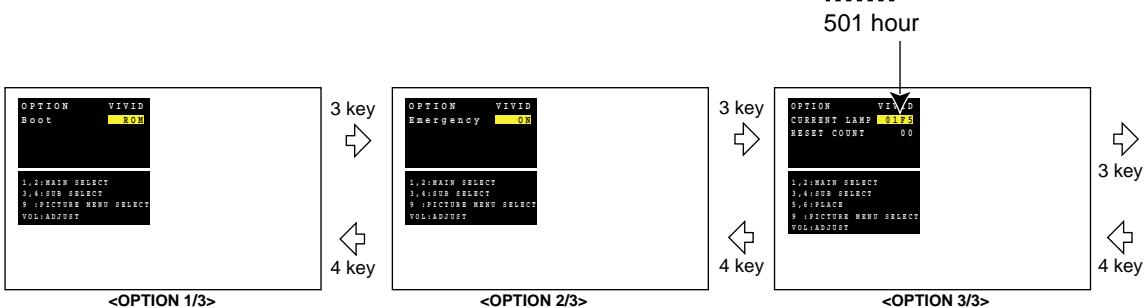


Fig. 2-2

OPTION 1/3~3/3

Confirm the current elapsed “Lamp operation” time in hours, in hexadecimal. (limit: FFFF)

Current elapsed "Lamp operation" time
eg.) 01F5



SRV-TOOL 1/2~2/2

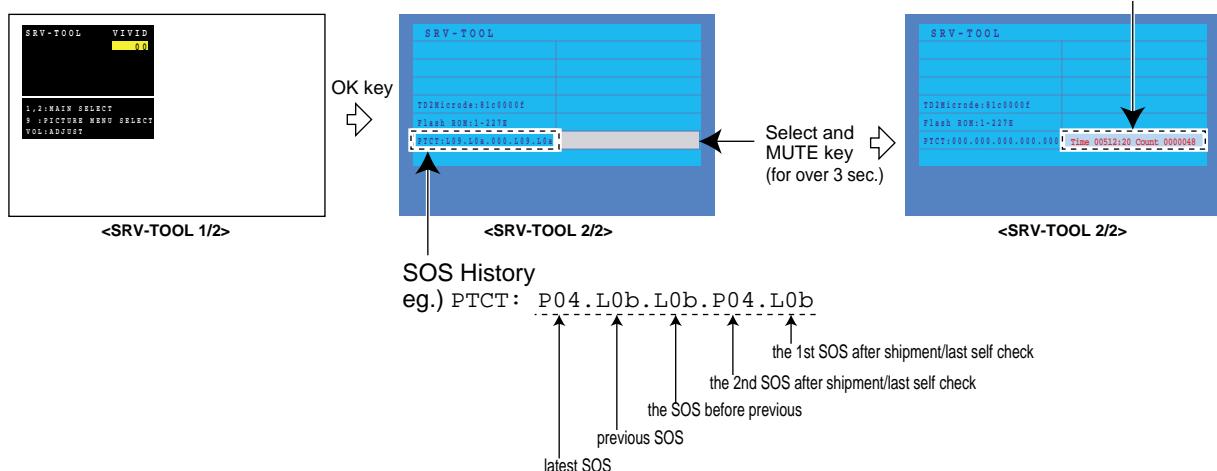
Confirm the number of times the power has turned on, the current elapsed "Power on" time in hours and minutes. (limit: 65535:00) and SOS History.

Current elapsed "Power on" time
eg.) Time 00512:20

512 hour /20 min.

The number of times the power has

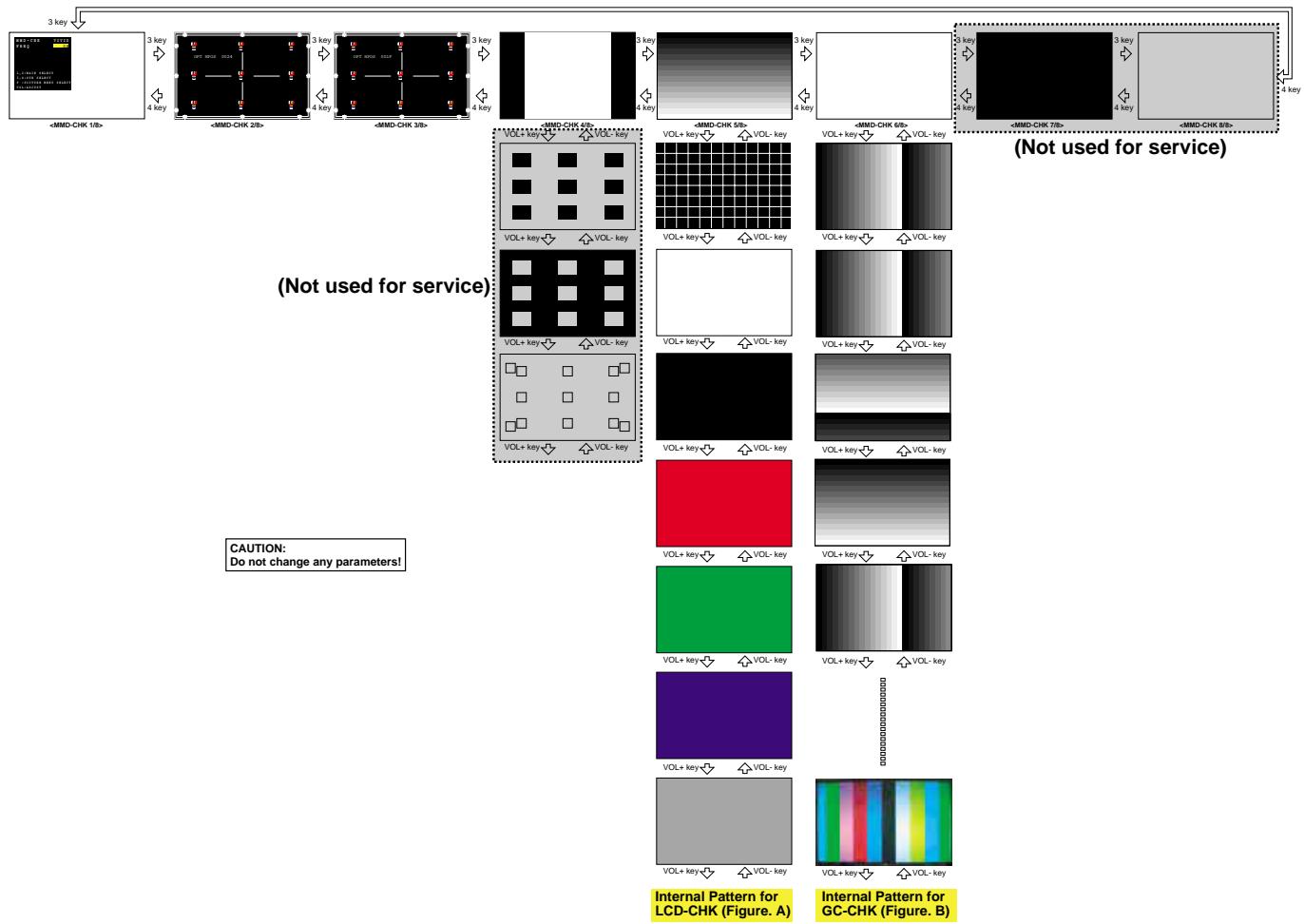
The number of times the power has turned on
eq.) Count 0000048



Exit from SRV-TOOL 2/2:

MMD-CHK 1/8~8/8 and internal pattern

Perform the Picture Position adjustment by pressing VOL+/- key, and display the internal pattern for LCD-CHK, GC-CHK.

**Note:**

Press 1 key to return Main Menu.

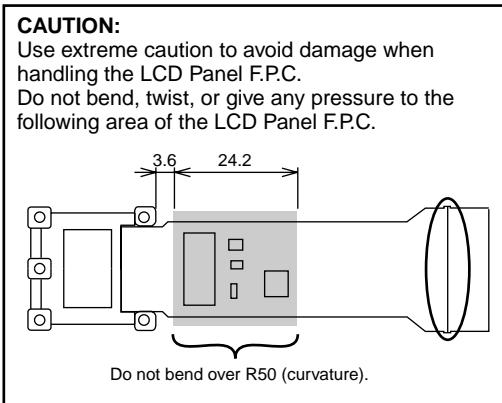
EEPROM IC (IC5504) CAUTION

DO NOT copy any of data of EEPROM IC (IC5504) on the Main P.C.B. using the ROM Writer. (It has HDCP key data.)

EEPROM IC (IC8201) CAUTION

DO NOT copy any of data of EEPROM IC (IC8201) on the Main P.C.B. using the ROM Writer. (It has CPRM key data of GallayPlayer.)

LCD PANEL FPC HANDLING CAUTION



LAMP CAUTION

The Lamp Unit becomes very hot during operation. When replacing the Lamp Unit, wait until it has cooled off (1 hour or more).

TOP DUCT UNIT NOTE

The optical parts will be exposed to the dust in the air when the Top Duct Unit is removed. Therefore, it is strongly recommend to remove the Top Duct Unit only in a clean room.

TUNER DIAGNOSTIC MODE

TUNER DIAGNOSTIC

Enter:
VOLUME UP button + VOLUME UP key
(for more than 5 seconds in power on condition)



TUNE Status		System	
TUNE CH		Soft Version	0.338
Current CH	4(4)		
FAT Status		Video/Channel Status	
Mode	N/A	Type	Digital
Frequency	67.75 MHz	PCR Status	Unlocked
Lock Status	Unlocked	PCR pid	N/A
SNR	---dB	Video pid	N/A
		Audio pid	N/A
		Audio type	N/A
		CC	CC Waiting

Press Exit to return.
Press UP/DOWN or NUMBER, and OK to change the channel.

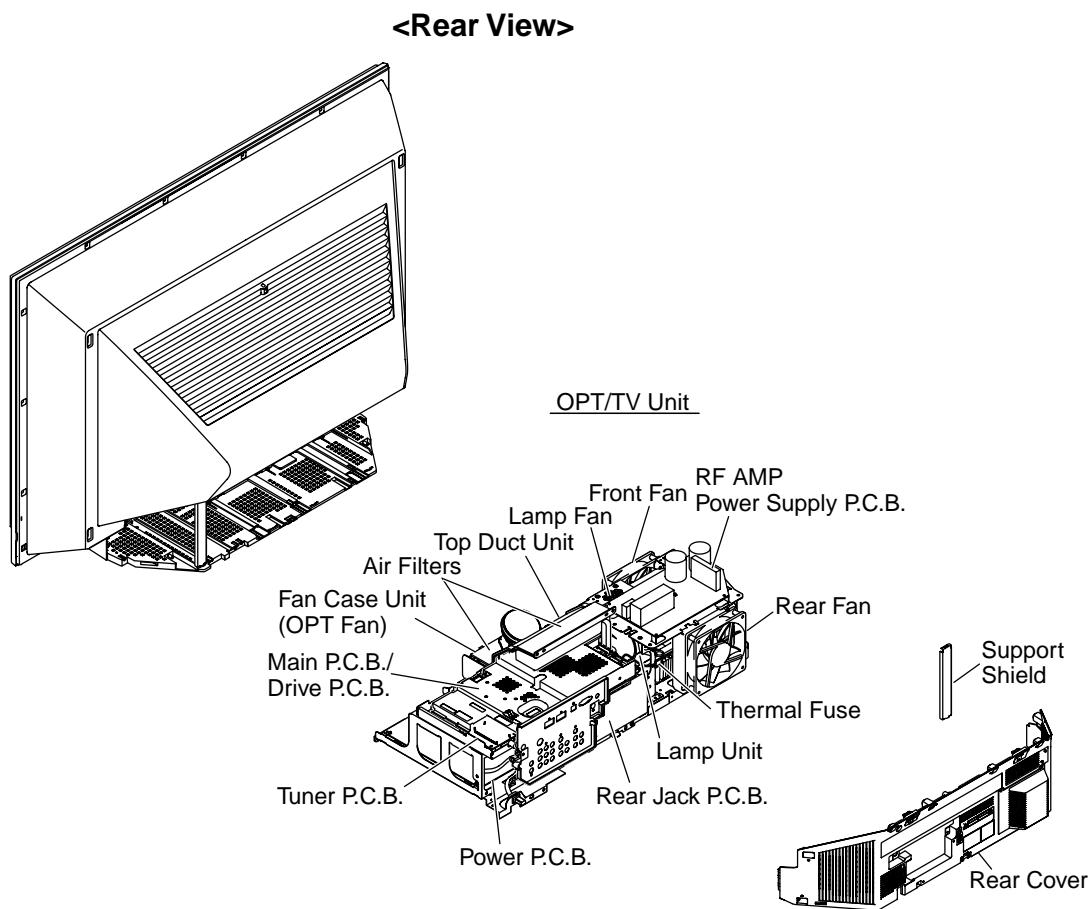
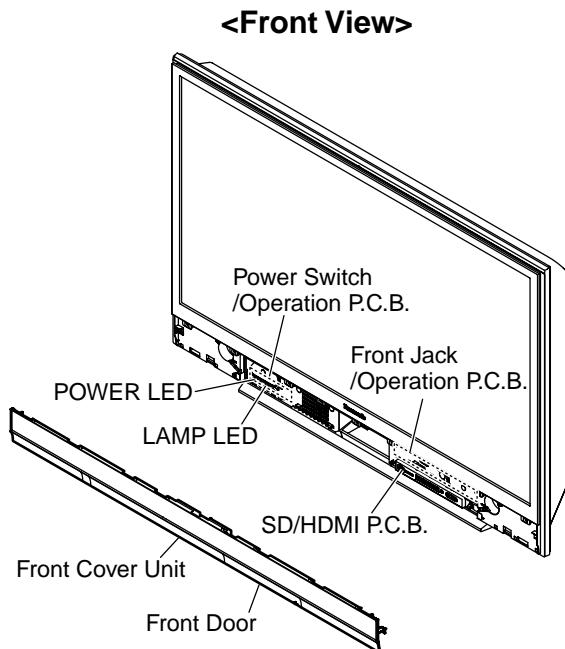
<Tuner Diagnostic>

Exit:
Press EXIT key.

3 Troubleshooting Guide

3.1. Troubleshooting Hints for Component Level Repair

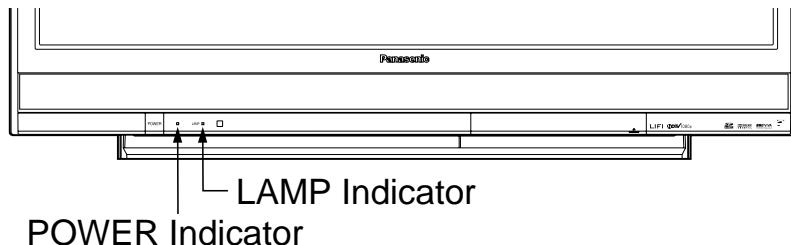
MAIN PARTS LOCATION



INDICATIONS FOR ERROR CONDITIONS

Each Indicator facilitates finding the cause of an error.

When an error is detected, the Lamp goes off and the indicators on the front flash.



(Note 1)

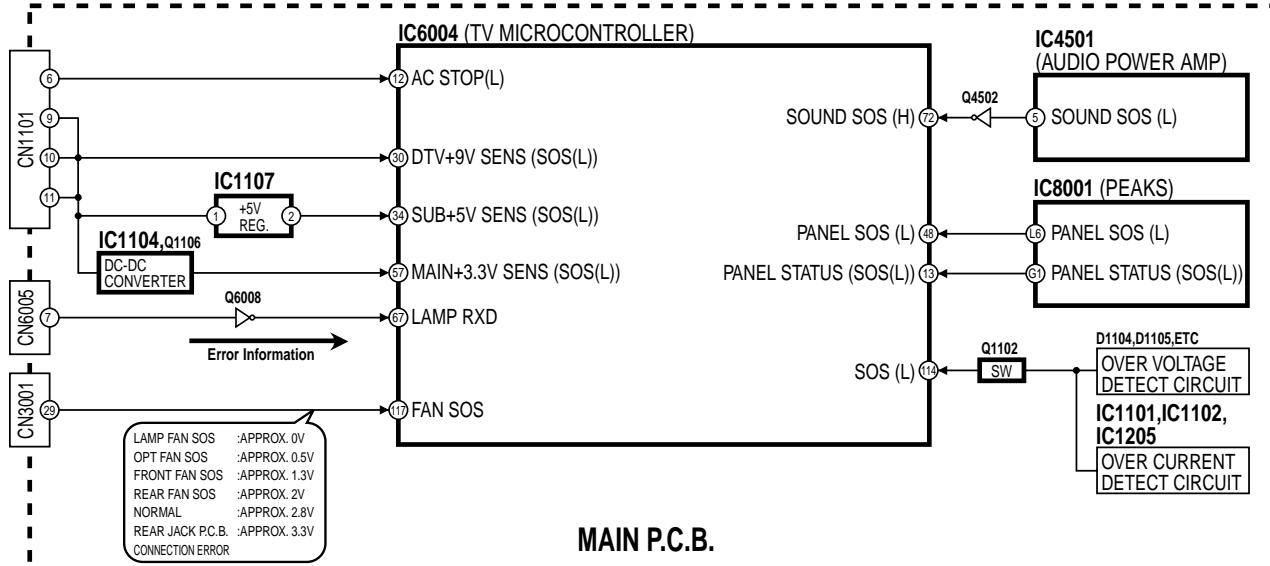
Priority	Error Information	POWER Indicator flashes orange	LAMP Indicator flashes red	SOS	LAMP OFF	RESET
1	Over voltage/Over current (SOS)	1	-	01	○	AC ON/OFF
2	Abnormal voltage (DTV+9V line)	2	-	02	○	
3	Abnormal voltage (SUB+5V line)	3	-	03	○	
4	Abnormal voltage (MAIN+3.3V line)	4	-	04	○	
5	IC4501 (Audio Amp) failure	6	-	06	○	
6	Communication error between Peaks (IC8001) and TV Microcontroller (IC6004)	7	-	07	○	
7	Communication error between Peaks (IC8001) and TV Microcontroller (IC6004)	9	-	09	○	
12	Lamp does not light up	-	2	02	○	Power ON/OFF
9	Lamp failure	-	3	03	○	
10	Abnormal Lamp temperature	-	4	04	○	
11	Lamp communication error	-	5	05	○ (Note 2)	
14	Lamp Fan stops	-	8	08	○	AC ON/OFF
15	Fan Case Unit (OPT Fan) stops	-	9	09	○	
16	Front Fan or Rear Fan stops	-	10	0A	○	
17	Rear Fan or Front Fan stops	-	11	0B	○	
13	Rear Jack PCB connection error	-	12	0C	○	
8	Abnormal Lamp input voltage (+26V)	-	13	0D	○	Power ON/OFF

Note:

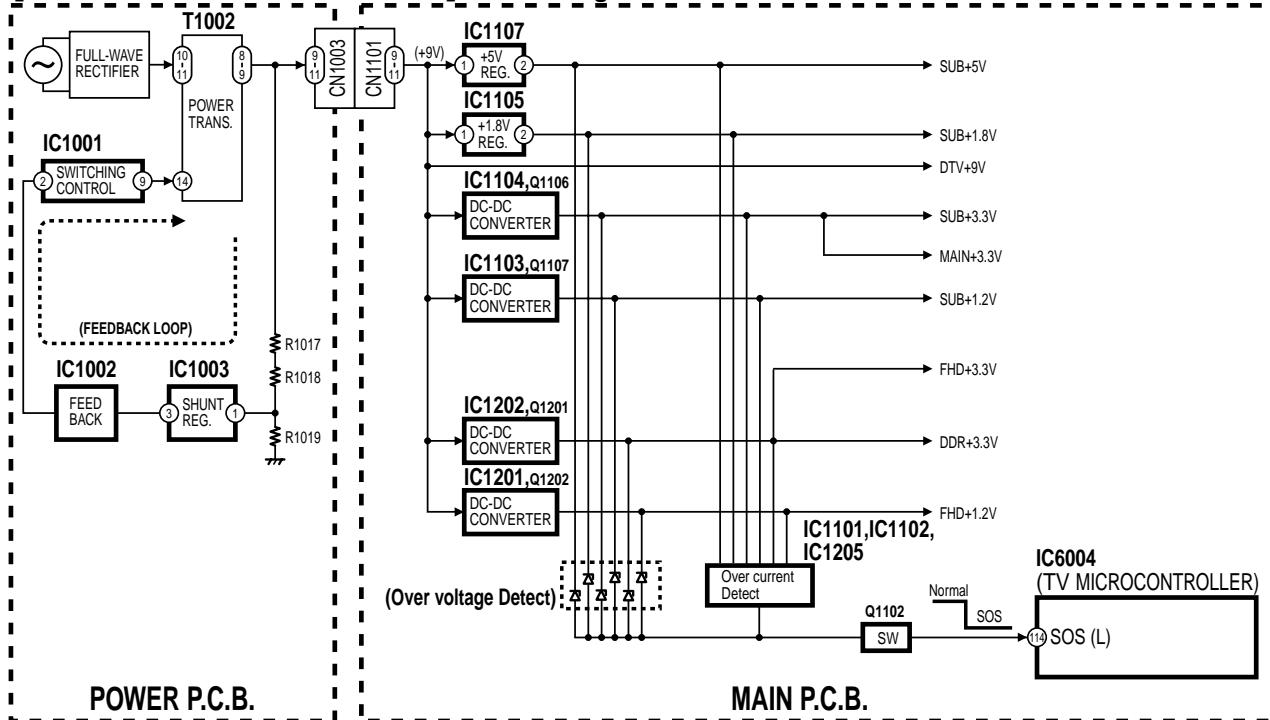
1. The detected Error data will be stored in the EEPROM, and SOS History (Code) is displayed in Self Check mode or Service Adjust mode (SRV-TOOL).
2. The Lamp Indicator will flash X5 immediately after the Lamp goes off. For this SOS only, the TV power will remain on.

Protection Circuit

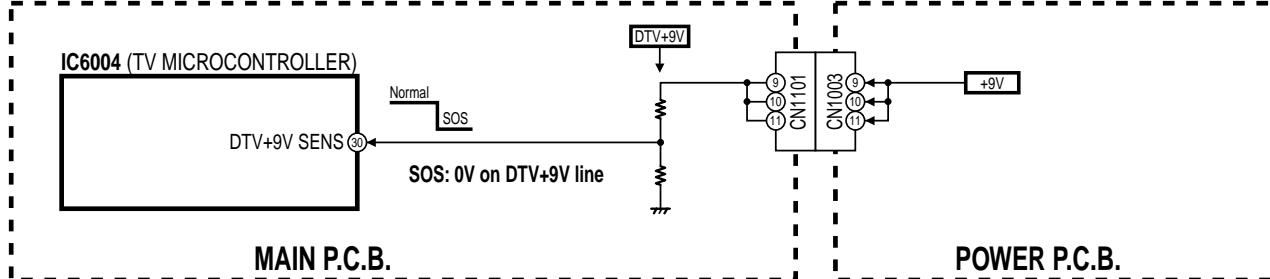
SOS terminal of IC6004 (TV microcontroller)



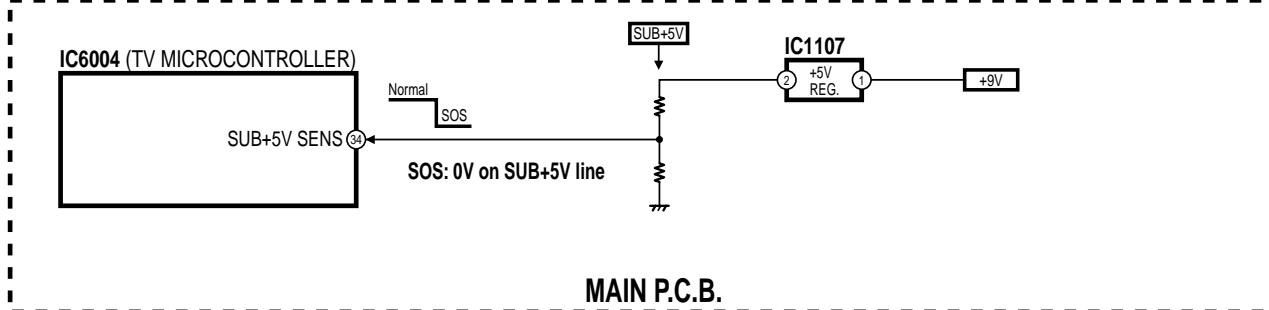
[POWER Indicator one blink] Over voltage/current detection circuit



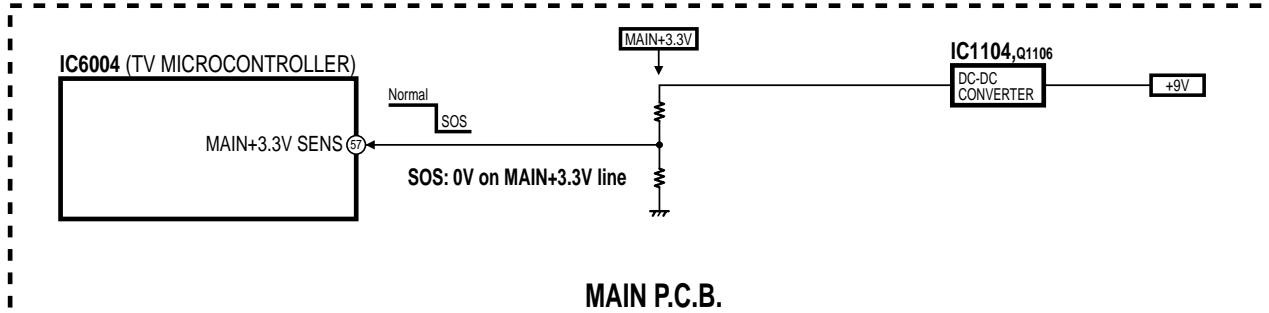
[POWER Indicator two blinks] Abnormal voltage (DTV+9V) detection circuit



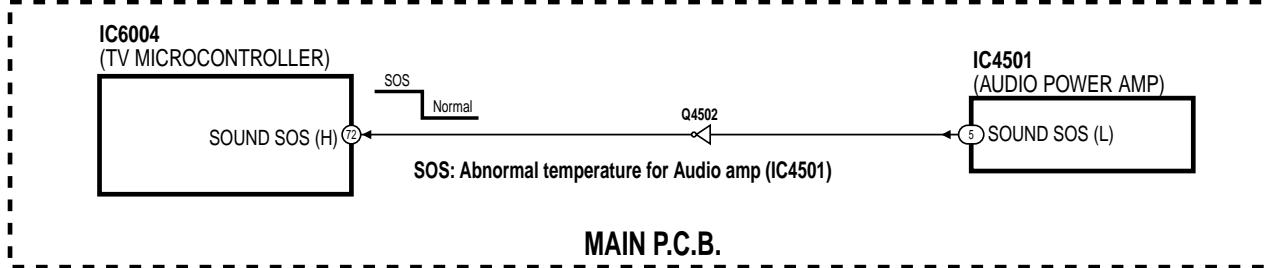
[POWER Indicator three blinks] Abnormal voltage (SUB+5V line) detection circuit



[POWER Indicator four blinks] Abnormal voltage (MAIN+3.3V line) detection circuit

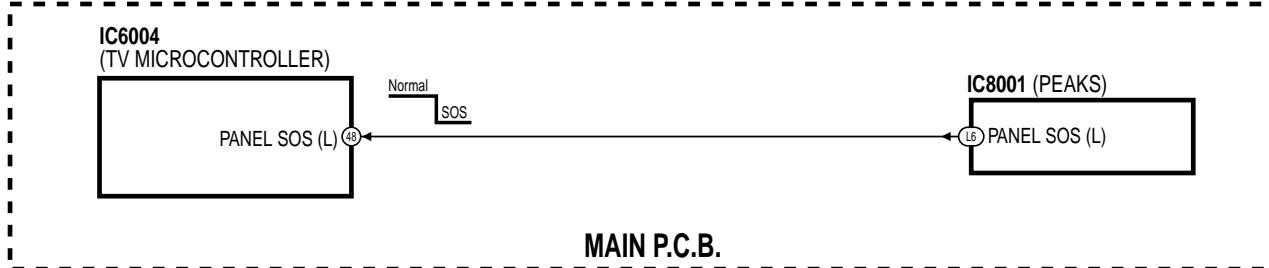


[POWER Indicator six blinks] Audio Amp (IC4501) failure detection circuit



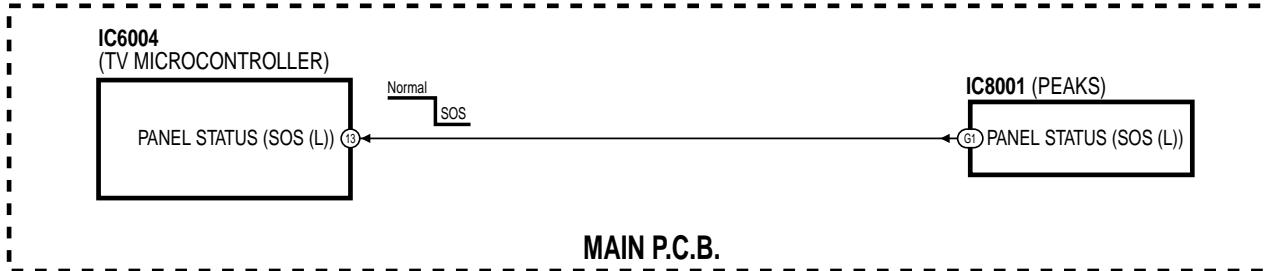
[POWER Indicator seven blinks]

Communication error between Peaks (IC8001) and TV microcontroller (IC6004) detection circuit



[POWER Indicator nine blinks]

Communication error between Peaks (IC8001) and TV microcontroller (IC6004) detection circuit



[LAMP Indicator two blinks]

Lamp does not light up detection circuit

[LAMP Indicator three blinks]

Lamp failure detection circuit

[LAMP Indicator four blinks]

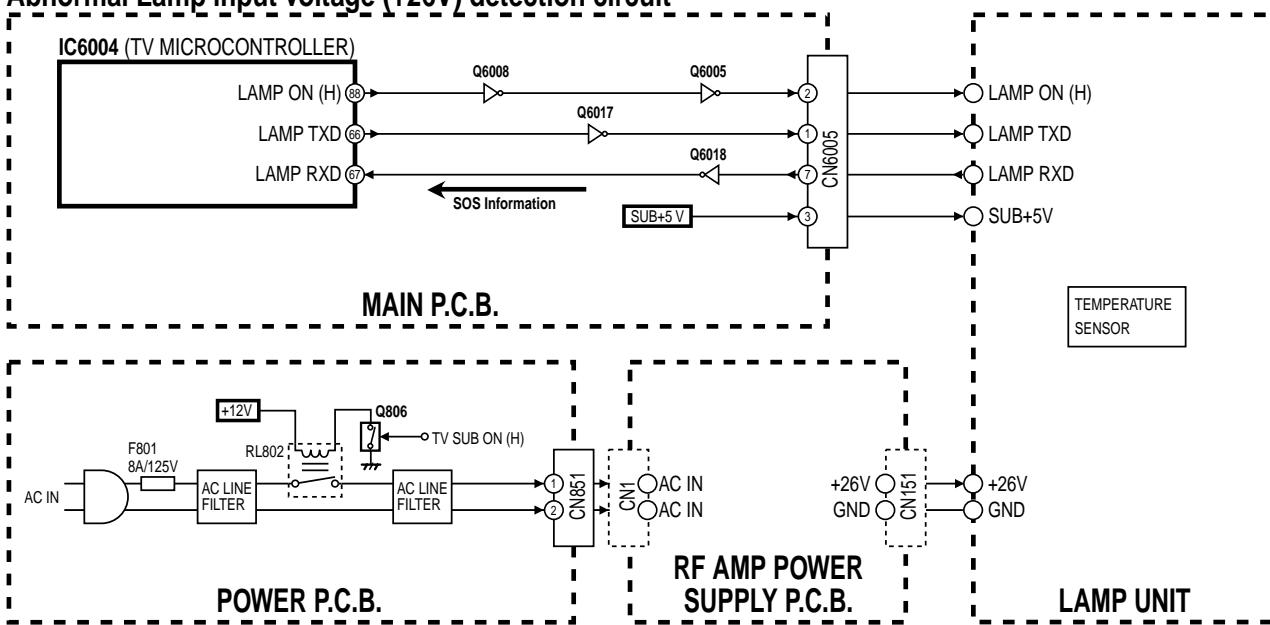
Abnormal Lamp temperature detection circuit

[LAMP Indicator five blinks]

Lamp communication error detection circuit

[LAMP Indicator thirteen blinks]

Abnormal Lamp input voltage (+26V) detection circuit



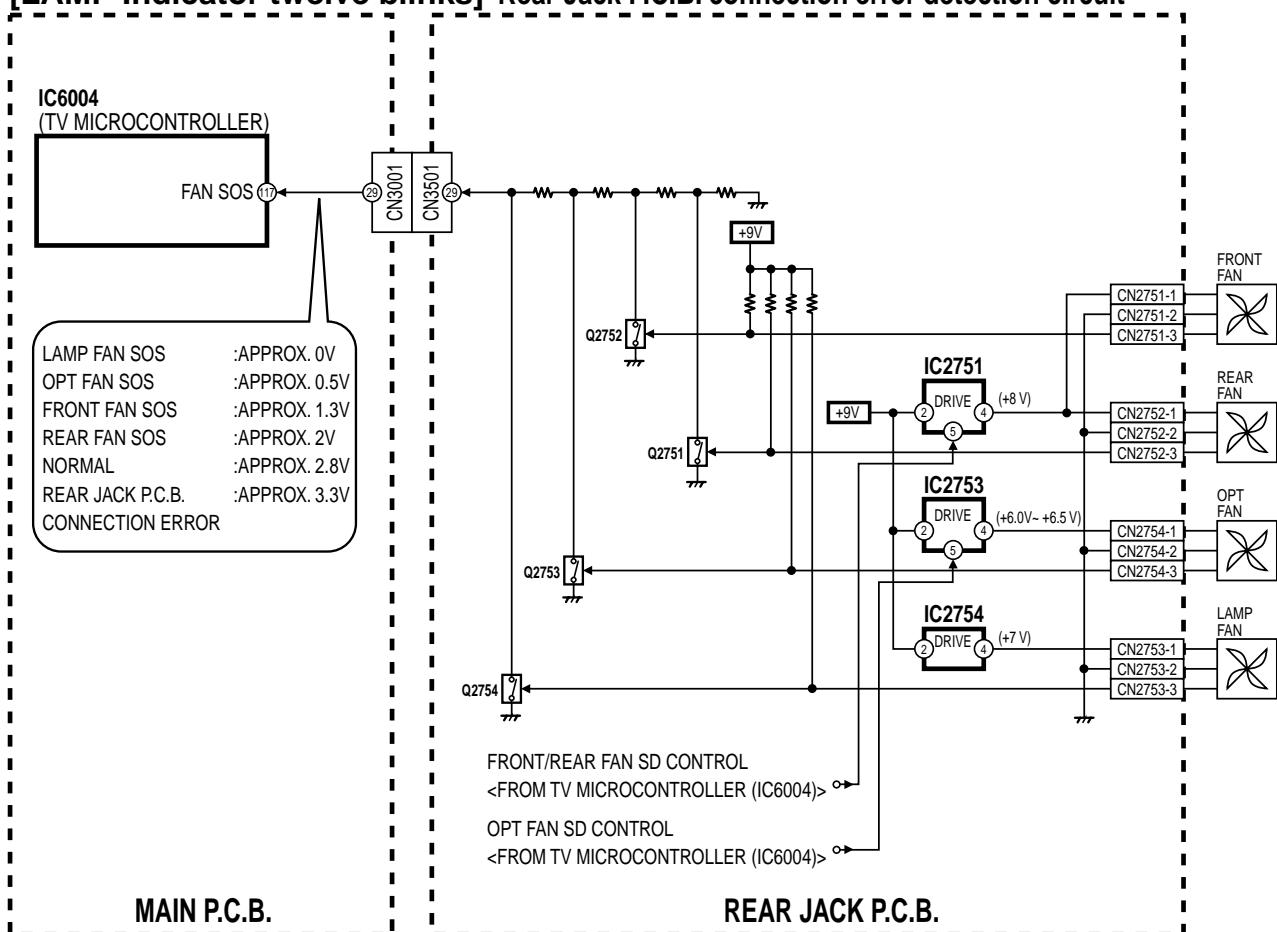
[LAMP Indicator eight blinks] LAMP Fan stops detection circuit

[LAMP Indicator nine blinks] OPT Fan stops detection circuit

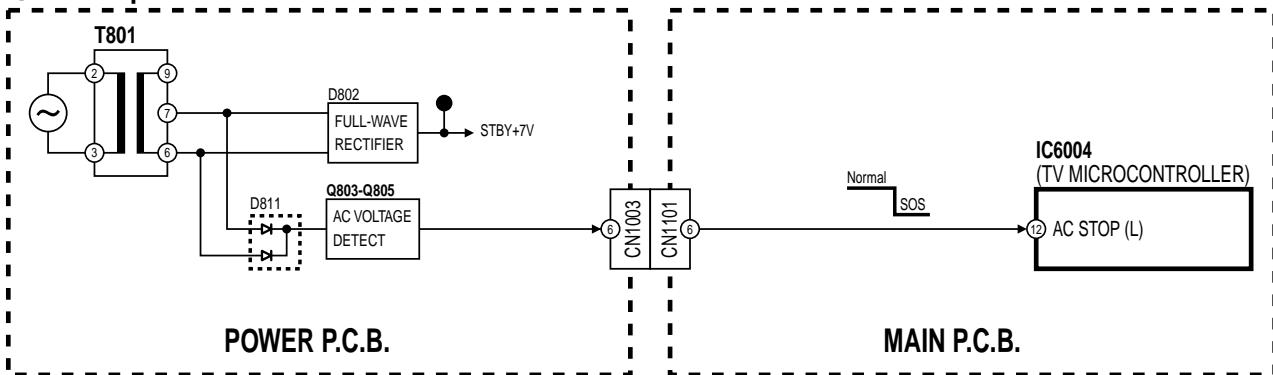
[LAMP Indicator ten blinks] Front Fan or Rear Fan stops detection circuit

[LAMP Indicator eleven blinks] Rear Fan or Front Fan stops detection circuit

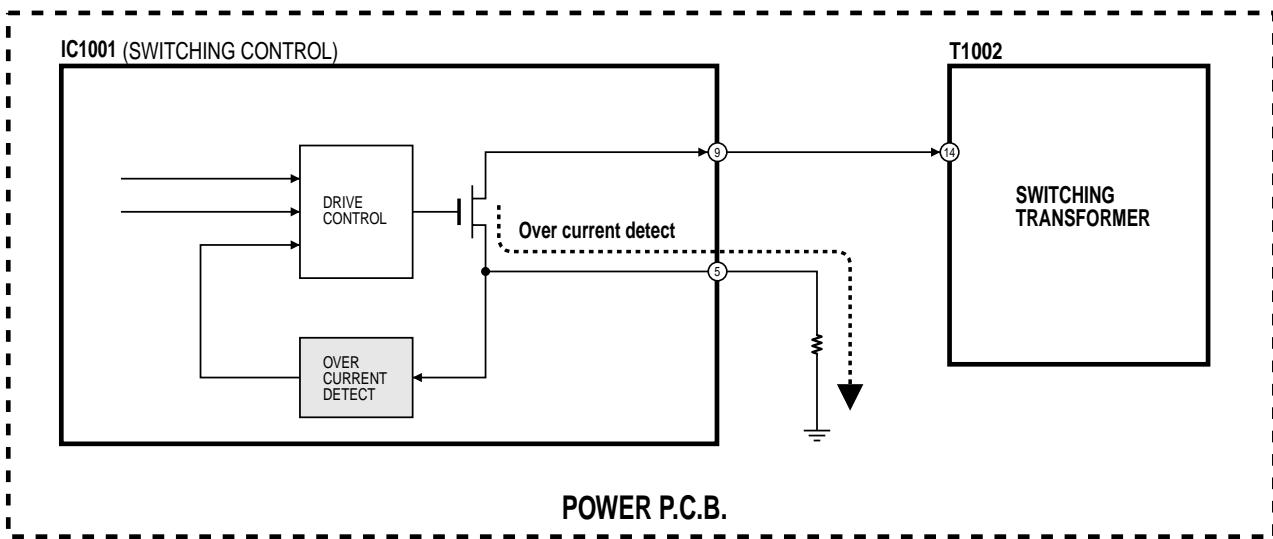
[LAMP Indicator twelve blinks] Rear Jack P.C.B. connection error detection circuit



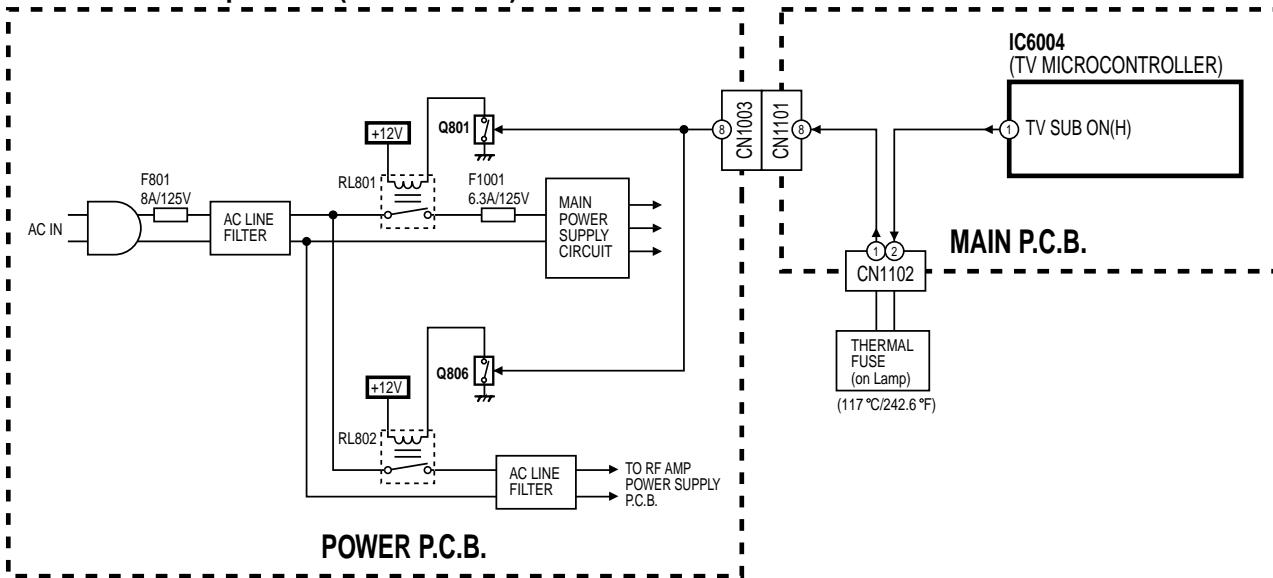
● AC stop detection circuit



● Over current detection circuit



● Abnormal Temperature (Thermal fuse) detection circuit



How to solve problems indicated by the Error Indication

(The symptom of all errors is that the Lamp goes off)

Note: Before performing troubleshooting, confirm that all connector cables in the unit are connected correctly.

POWER Indicator	Problem	Possible Solution
1	<p>[POWER Indicator one blink] The following voltage lines on the Main P.C.B. is over current. • SUB+5V line • SUB+1.8V line • SUB+3.3V line • SUB+1.2V line • FHD+3.3V line • DDR+3.3V line • FHD+1.2V line</p> <p>The following voltage lines on the Main P.C.B. is over voltage. • DT+9V line • SUB+5V line • SUB+1.8V line • SUB+3.3V line • SUB+1.2V line • FHD+3.3V line • DDR+3.3V line • FHD+1.2V line</p>	1. Check the Power P.C.B. (Refer to " CHECKING THE POWER P.C.B. ") 2. If still NG, check DC/DC circuit on the Main P.C.B. (Refer to " CHECKING THE OPT/TV UNIT (Main P.C.B.) ")
2	<p>[POWER Indicator two blinks] DT+9V line error.</p>	1. Check that Connector CN1102 (Thermal Fuse) on the Main P.C.B. is connected firmly. 2. If still NG, check the Power P.C.B. (Refer to " CHECKING THE POWER P.C.B. ") 3. If still NG, check the following parts of DT+9V line on the Main P.C.B., and replace if necessary. • R6011, IC6004, and the surrounding parts.
3	<p>[POWER Indicator three blinks] SUB+5V line error.</p>	1. Check the following parts of the SUB+5V line on the Main P.C.B., and replace if necessary. • R6134, IC1107, IC6004, and the surrounding parts.
4	<p>[POWER Indicator four blinks] MAIN+3.3V line error.</p>	1. Check the following parts of the MAIN+3.3V line on the Main P.C.B., and replace if necessary. • R6106, IC1104, IC6004, Q1104-Q1106, and the surrounding parts.
6	<p>[POWER Indicator six blinks] AUDIO AMP (IC4501) failure</p>	1. Check the voltage at Pin 5 of IC4501 on the Main P.C.B. If +3.3V(High), replace IC4501. If 0V(Low), check the following parts of the SOUND SOS line between Pin 5 of IC4501 and Pin 72 of IC6004 on the Main P.C.B., and replace if necessary. • Q4502, IC6004, and the surrounding parts.
7	<p>[POWER Indicator seven blinks] Communication error between Peaks (IC8001) and TV microcontroller (IC6004) on the Main P.C.B.</p>	1. Check the following parts of the PANEL SOS(L) line between Pin L16 of IC8001 and Pin 48 of IC6004 on the Main P.C.B., and replace if necessary. • IC8001, IC6004, and the surrounding parts.
9	<p>[POWER Indicator nine blinks] Communication error between Peaks (IC8001) and TV microcontroller (IC6004) on the Main P.C.B.</p>	1. Check the following parts of the PANEL STATUS (SOS(L)) line between Pin G1 of IC8001 and Pin 13 of IC6004 on the Main P.C.B., and replace if necessary. • IC8001, IC6004, and the surrounding parts.

How to solve problems indicated by the Error Indication

(The symptom of all errors is that the Lamp goes off)

Note: Before performing the troubleshooting, confirm that all connector cables in the unit are connected correctly.

LAMP Indicator	Problem	Possible Solution															
2	[LAMP Indicator two blinks] Lamp does not light up.	1. Try to turn on the power several times. (Wait 5 minutes before retrying.) 2. If still NG, replace the Lamp Unit.															
3	[LAMP Indicator three blinks] Lamp failure (Internal Lamp thermistor open or short).	1. Try to turn on the power several times. (Wait 5 minutes before retrying.) 2. If still NG, replace the Lamp Unit.															
4	[LAMP Indicator four blinks] Abnormal Lamp temperature (more than 92 °C).	1. Relocate the unit to a proper location. Keep the unit at least 100 mm (4") away from the wall to provide proper ventilation because warm air is discharged. Blocking the ventilation opening of the cooling fan may damage the unit. 2. Wait until the Lamp has cooled off (approximately 1 hour) and try to turn on the power several times. 3. If still NG, check whether the Fans rotate normally and Fan voltages, and repair if necessary. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Fan</th> <th>Check Point</th> <th>Voltage (Normal ~ High)</th> </tr> </thead> <tbody> <tr> <td>Lamp Fan</td> <td>CN2753 (Pin 1) or TP2758</td> <td>7.0 V</td> </tr> <tr> <td>OPT Fan</td> <td>CN2754 (Pin 1) or TP2757</td> <td>6.0 V ~ 6.5 V</td> </tr> <tr> <td>Front Fan</td> <td>CN2751 (Pin 1) or TP2759</td> <td>8.0 V</td> </tr> <tr> <td>Rear Fan</td> <td>CN2752 (Pin 1) or TP2759</td> <td>8.0 V</td> </tr> </tbody> </table> 4. If still NG, replace the Lamp Unit.	Fan	Check Point	Voltage (Normal ~ High)	Lamp Fan	CN2753 (Pin 1) or TP2758	7.0 V	OPT Fan	CN2754 (Pin 1) or TP2757	6.0 V ~ 6.5 V	Front Fan	CN2751 (Pin 1) or TP2759	8.0 V	Rear Fan	CN2752 (Pin 1) or TP2759	8.0 V
Fan	Check Point	Voltage (Normal ~ High)															
Lamp Fan	CN2753 (Pin 1) or TP2758	7.0 V															
OPT Fan	CN2754 (Pin 1) or TP2757	6.0 V ~ 6.5 V															
Front Fan	CN2751 (Pin 1) or TP2759	8.0 V															
Rear Fan	CN2752 (Pin 1) or TP2759	8.0 V															
5	[LAMP Indicator five blinks] Lamp communication error.	1. Try to turn on the power several times. (Wait 5 minutes before retrying.) 2. If still NG, check that the cable between CN6005 on the Main P.C.B. and the Lamp Unit is connected firmly. 3. If still NG, replace the Lamp Unit. 4. If still NG, check signal of the LAMP TXD, LAMP RXD line at Pin 1, 7 of CN6005 on the Main P.C.B. and check the following parts on the Main P.C.B., and replace if necessary. • Q6017, Q6018, R6169, R6193 and the surrounding parts.															
8	[LAMP Indicator eight blinks] Cooling Fan (Lamp Fan) malfunction.	1. Check that Connector CN2753 on the Rear Jack P.C.B. is connected firmly. 2. If still NG, replace the Lamp Fan. 3. If still NG, check IC2754 and surrounding parts, and replace if necessary.															
9	[LAMP Indicator nine blinks] Cooling Fan (OPT Fan) malfunction.	1. Check that Connector CN2754 on the Rear Jack P.C.B. is connected firmly. 2. If still NG, replace the Fan Case Unit (OPT Fan). 3. If still NG, check IC2753 and surrounding parts on the Rear Jack P.C.B., and replace if necessary.															
10	[LAMP Indicator ten blinks] Cooling Fan (Front Fan or Rear Fan) malfunction.	1. Check that Connector CN2751 or CN2752 on the Rear Jack P.C.B. is connected firmly. 2. If still NG, check whether the Front Fan or Rear Fan stopped and replace it. 3. If still NG, check IC2751 and surrounding parts on the Rear Jack P.C.B., and replace if necessary.															
11	[LAMP Indicator eleven blinks] Cooling Fan (Rear Fan or Front Fan) malfunction.	1. Check that Connector CN2752 or CN2751 on the Rear Jack P.C.B. is connected firmly. 2. If still NG, check whether the Front Fan or Rear Fan stopped and replace it. 3. If still NG, check IC2751 and surrounding parts on the Rear Jack P.C.B., and replace if necessary.															
12	[LAMP Indicator twelve blinks] Rear Jack P.C.B. connection error.	1. Check that Connector CN3501 on the Rear Jack P.C.B. is connected into Connector CN3001 on the Main P.C.B. firmly. 2. If still NG, check the following parts at FAN SOS line between Pin 29 of CN3001 and Pin 117 of IC6004 on the Main P.C.B., and replace if necessary. • R6025, IC6004, and the surrounding parts.															
13	[LAMP Indicator thirteen blinks] Abnormal Lamp input voltage (+26V) Normal: +26V Abnormal: less than +20V	1. Try to turn on the power several times. (Wait 5 minutes before retrying.) 2. If still NG, check that Connector CN1 and CN151 on the RF AMP Power Supply P.C.B. are connected firmly. 3. If still NG, unplug the AC Cord and disconnect CN151 connector cable and check the voltage at Pin 1, 2 or 3 of CN151 on the RF AMP Power Supply P.C.B. See Figure a. If OK (+26V), replace the Lamp Unit. 4. If NG, check the voltage between Pin 1 and Pin 2 of CN1 on the RF Amp Power Supply P.C.B. If OK (AC120V), replace the RF Amp Power Supply P.C.B. If NG, check the Power P.C.B. (Refer to "CHECKING THE POWER P.C.B.")															

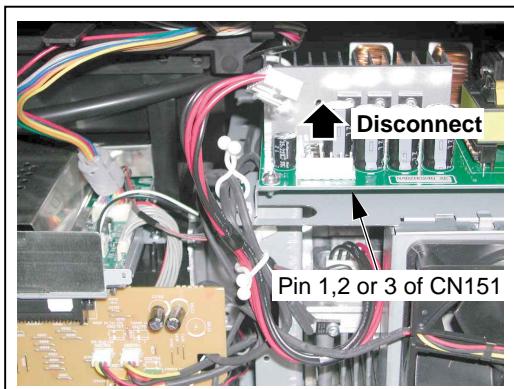
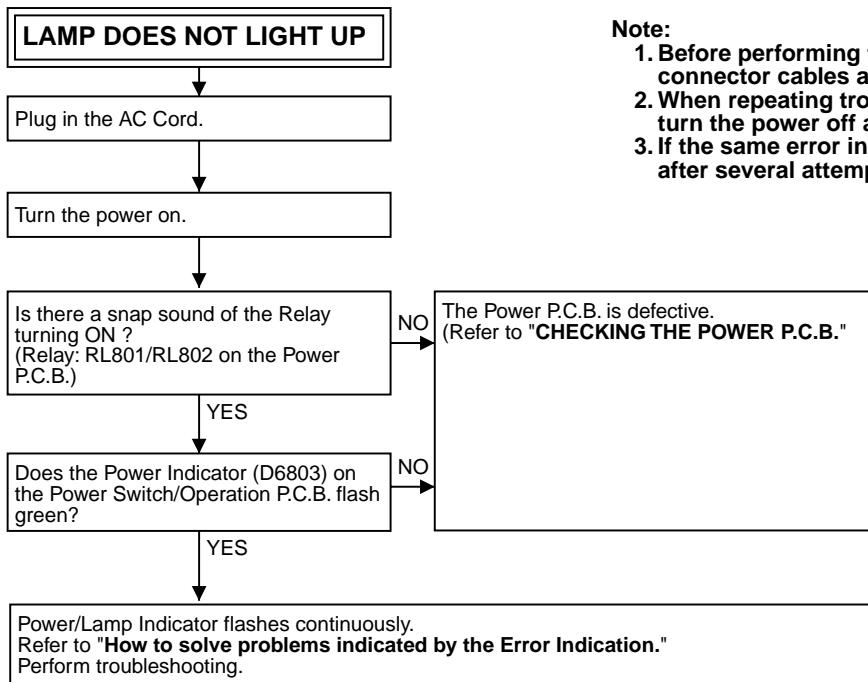


Figure. a

CHECKING THE POWER P.C.B.

Disconnect all Power P.C.B. connector cables, then remove Power P.C.B. from the unit.

Refer to Power P.C.B. Service Position, Figure 1.

Check the following parts on the Power P.C.B. with the tester.

D802, D807, D808, D811, D814,
D1001, D1002, D1003, D1004, D1006, D1007, D1008, D1009, D1010, D1011, D1012, D1016, D1017,
F801, F1001, IC1001 (Between Pin9 and Pin5), IC1002, IC1003,
PR1001, Q803, Q804, Q805, Q1001,
R806, R1006, R1009, R1011, R1022, R1026,



Solder a jumper wire between TP810 and TP805 on the Power P.C.B.

Plug in the AC Cord.

Is there a snap sound of the Relay turning ON?
(Relay: RL801, RL802 on the Power P.C.B.)

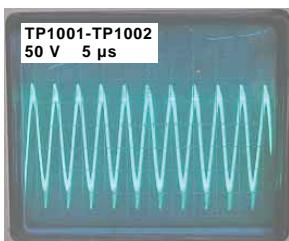
NO Check the following parts on the Power P.C.B. with the tester.

D802, D807, D809, D852,
Q801, Q806,
R807, R808, R826, R827,
RL801, RL802, T801
Replace any defective parts.

Check the other parts on the Power P.C.B. and replace any defective parts.

OK

Check the waveform between TP1001 and TP1002
(or between Pin 9 of IC1001 and HOT GND) on the Power P.C.B.



OK

Check the voltage at the following points. (Use Pin 12 of CN1003 as GND.)

- CN1003 (Pin 5): approx. +9.5 V [STBY_7V]
- CN1003 (Pin 7): approx. +30 V [REG_30V]
- CN1003 (Pin 10): approx. +9 V [REG_9V]
- CN1003 (Pin 1): approx. +18 V [AUDIO_18V]

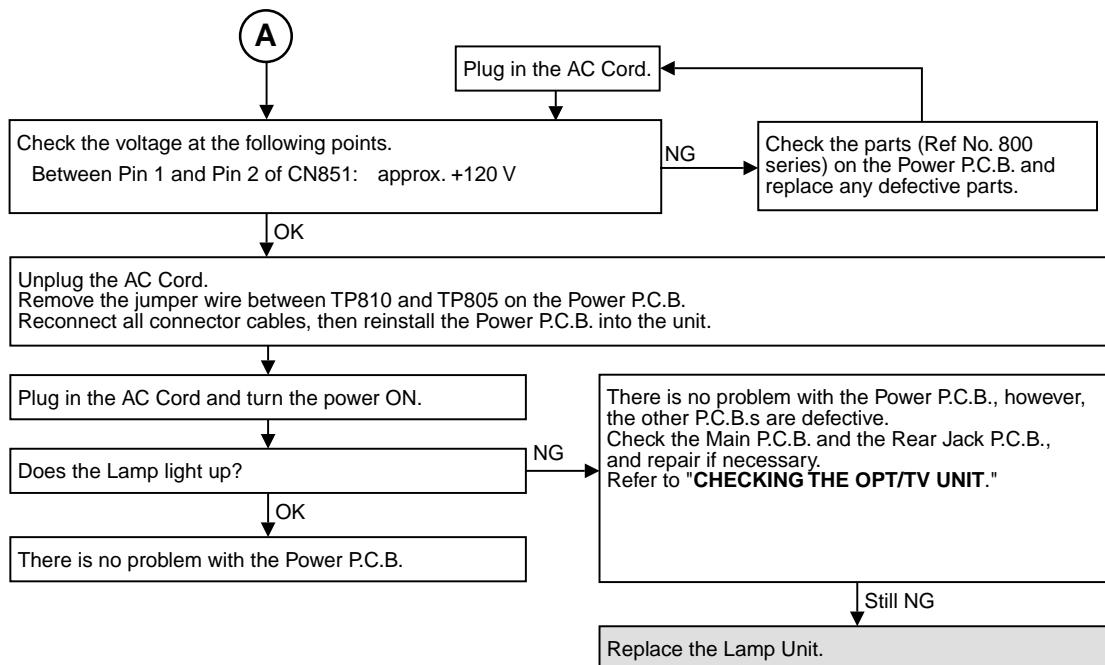
OK

A

NG

Check the other parts on the power P.C.B. and replace any defective parts.

Plug in the AC Cord.



Power P.C.B. Service Position

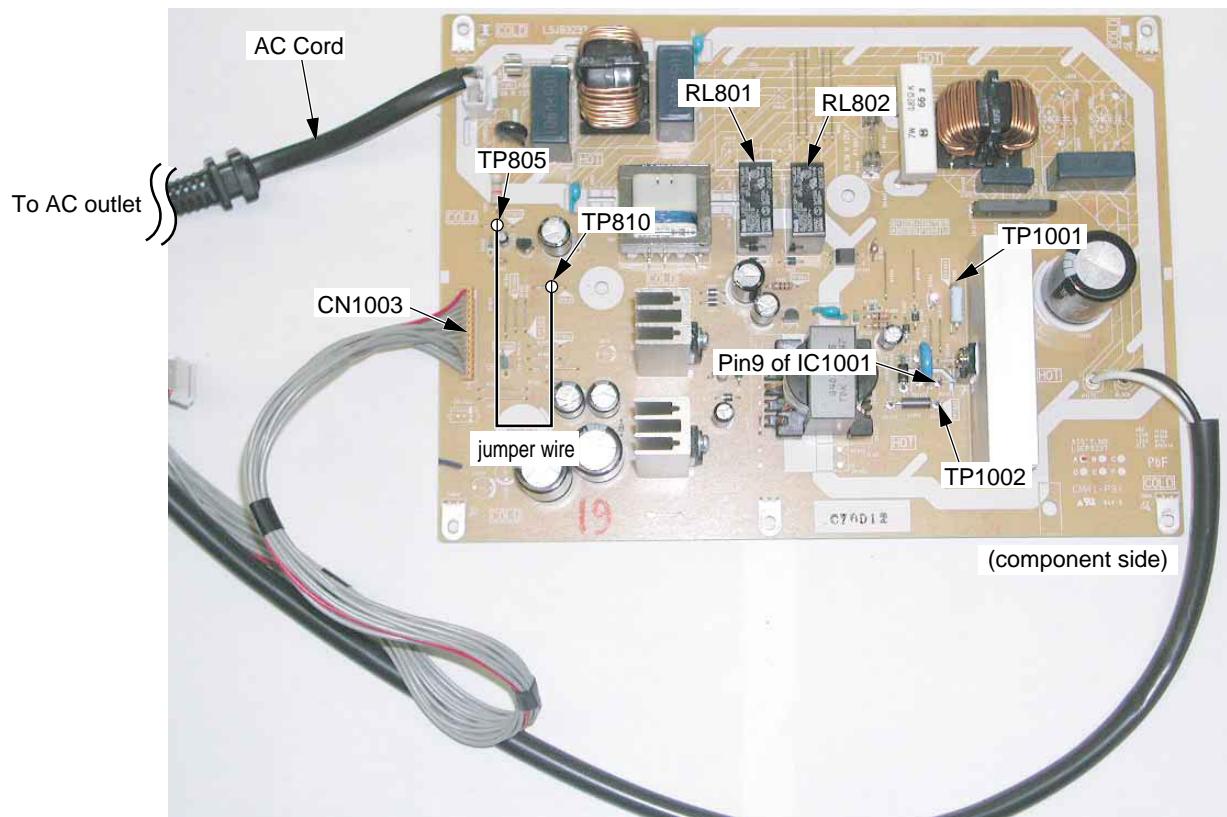


Figure 1

CHECKING THE OPT/TV UNIT (MAIN P.C.B.)

Take out the OPT/TV Unit without the Connectors CN3502, CN4501, CN5503 and CN8201 connected.
Then, remove the Main PCB Shield Case Top.

Refer to OPT/TV Unit (Main P.C.B.) Service Position, Figure 2.

Check for short-circuit of the following points on the Main P.C.B. with the tester.

- TP1102 - GND [REG9V]
- TP1105 - GND [STBY_7V]
- TP1106 - GND [STB3.3V]
- TP1108 - GND [STB5V]
- TP1109 - GND [SUB1.8V]
- TP1111 - GND [SUB3.3V]
- TP1113 - GND [SUB1.2V]
- TP1116 - GND [SUB5V]
- TP1201 - GND [DDR3.3V] (See Note 1)
- TP1203 - GND [FHD1.2V] (See Note 1)
- TP1205 - GND [FHD3.3V] (See Note 1)
- Pin 1 of CN1101 - GND [SOUN18V]
- Pin 6 of CN1101 - GND [AC_STOP]
- Pin 7 of CN1101 - GND [REG_30V]
- Pin 8 of CN1101 - GND [TV_SUB_ON]

Replace any defective parts on the Main P.C.B., etc.

Note:

1. When checking TP1201, TP1203, TP1205, IC1201, IC1202 or IC1203 on the Main P.C.B., it is necessary to remove the Drive P.C.B.
2. IC1108 is on the foil side of the Main P.C.B.

Check the following parts on the Main P.C.B. with the tester.

- IC1103 (Pin 1) or TP1102 - TP1113
- IC1104 (Pin 1) or TP1102 - TP1111
- IC1105 (Pin 1 - Pin 2) or TP1102 - TP1109
- IC1106 (Pin 4 - Pin 5) or TP1105 - TP1108
- IC1107 (Pin 1 - Pin 2) or TP1102 - TP1116
- IC1108 (Pin 1 - Pin 5) (See Note 2)
- IC1201 (Pin 1) or TP1102 - TP1203 (See Note 1)
- IC1202 (Pin 1) or TP1102 - TP1201 (See Note 1)
- IC1203 (Pin 1 - Pin 2) or TP1102 - TP1205 (See Note 1)

Replace any defective parts.

Plug in the AC Cord and turn the power ON.

Check the voltage at the following points on the Main P.C.B.

- TP1102 - GND: Approx. +9 V [REG9V]
- TP1105 - GND: Approx. +9.5 V [STBY_7V]
- TP1106 - GND: Approx. +3.3 V [STB3.3V]
- TP1108 - GND: Approx. +5 V [STB5V]
- TP1109 - GND: Approx. +1.8 V [SUB1.8V]
- TP1111 - GND: Approx. +3.3 V [SUB3.3V]
- TP1113 - GND: Approx. +1.2 V [SUB1.2V]
- TP1116 - GND: Approx. +5 V [SUB5V]
- TP1201 - GND: Approx. +3.3 V [DDR3.3V] (See Note 1)
- TP1203 - GND: Approx. +1.2 V [FHD1.2V] (See Note 1)
- TP1205 - GND: Approx. +3.3 V [FHD3.3V] (See Note 1)
- Pin 1 of CN1101 - GND: Approx. +19 V [SOUN18V]
- Pin 7 of CN1101 - GND: Approx. +30 V [REG_30V]

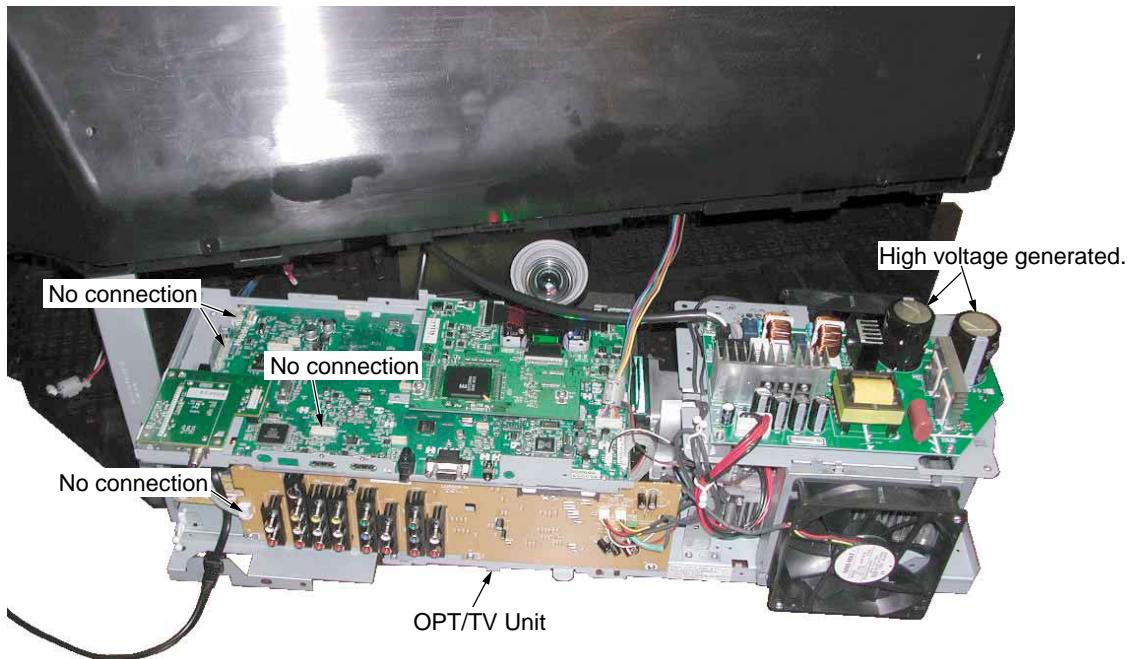
OK

NG

There is no problem with the Main P.C.B.
Check the other P.C.B.s and replace any defective parts.

Check the other parts on the Main P.C.B. and replace any defective parts.

OPT/TV Unit (Main P.C.B.) Service Position



Test Points for checking the voltage on the Main P.C.B.

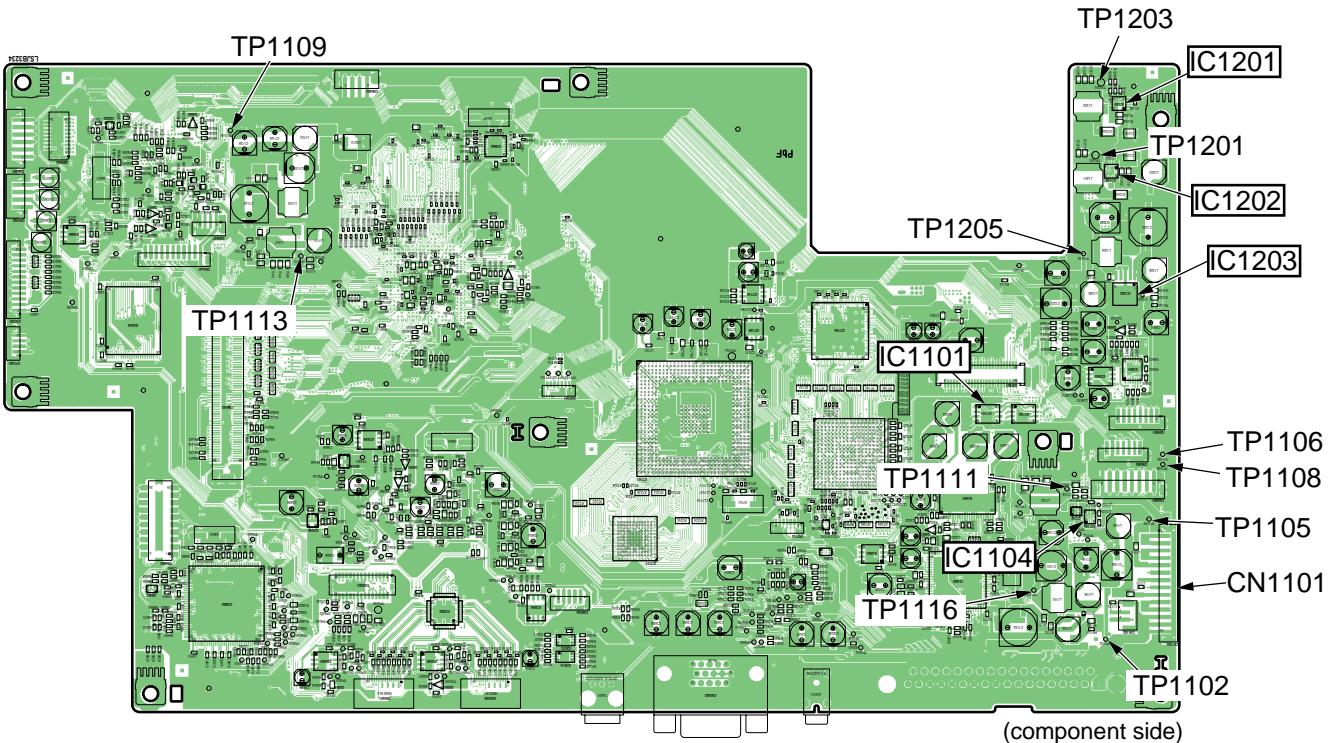


Figure 2

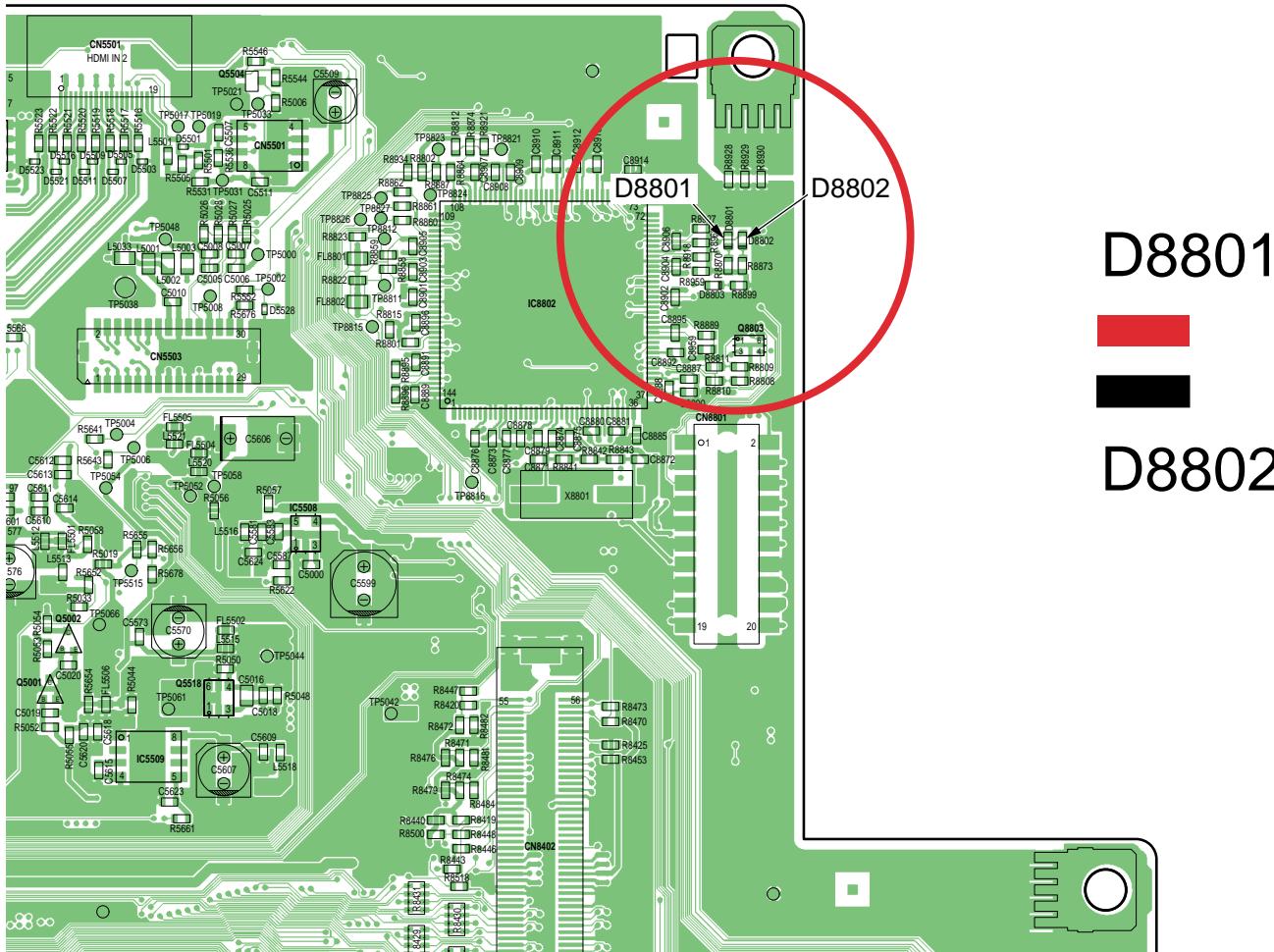
LED on the Main P.C.B. for Digital CH

- D8801: Sync Lock LED

(When Sync of Digital packet (MPEG2) is locked by IC8802, it lights up in RED)

- D8802: Error LED

(When MPEG data has many errors (Block noise in screen), it flickers in RED. In normal condition, it is off)



<Normal condition>

D8801 RED/D8802 OFF

Circuit from Tuner through IC8802 (Front End) is working good.

<Error condition>

D8801 OFF/D8802 OFF

Possibility: Tuner or IC8802 (Demodulator) is not working.
1. Check solder first.

D8801 ON/D8802 flickers RED

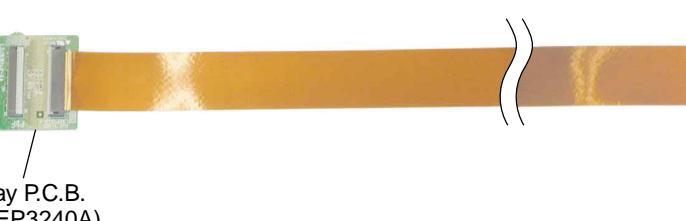
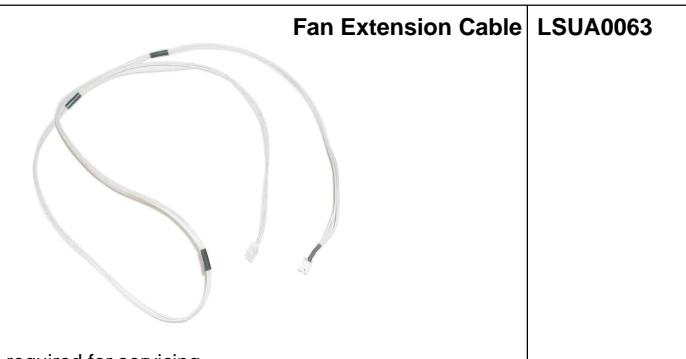
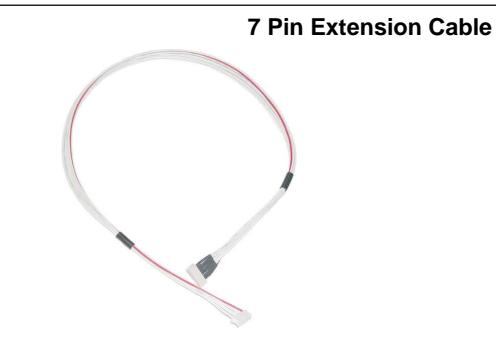
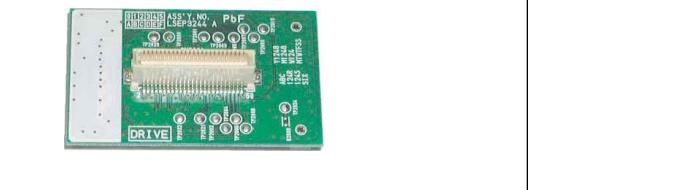
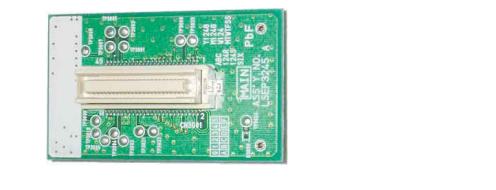
Possibility: AGC is not working. (IC8801 or Tuner)
1. Check solder first.

Note:

If received signal level is too low, D8801 goes off.

4 Service Fixture & Tools

4.1. Service Fixture and Tools

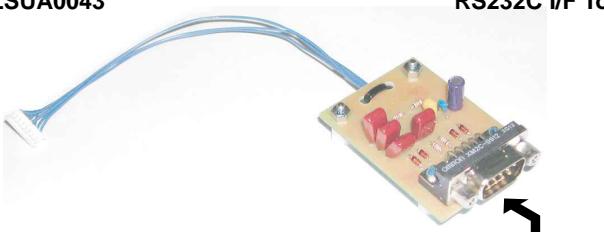
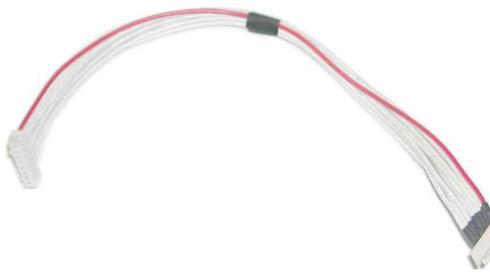
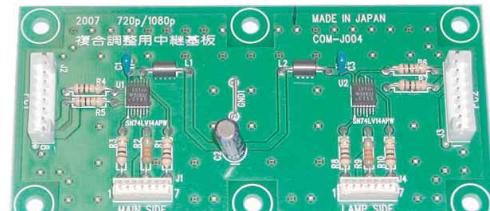
LSEP3240A LSUA0062	 <p>Relay P.C.B. (LSEP3240A)</p>	<p>Relay PCB (LCD Panel) LCD Panel Flat Extension Cable</p> <p>LCD Panel Flat Extension Cable (LSUA0062)</p>
LSUA0039	 <p>Fan Extension Cable</p>	 <p>7 Pin Extension Cable</p>
LSUA0065	 <p>Thermal Fuse Defeat Cable</p>	 <p>4 Pin Extension Cable</p>
LSEP3244A	 <p>Relay PCB (Drive side)</p>	 <p>Relay PCB (Main side)</p>
LSJA0582	 <p>12 Pin Extension Cable</p>	 <p>K1PY31Y00003</p> <p>LVDS Cable</p>

Note:

The cable which was included in the 2006 DLP model (PT-56/61DLX76/61DLX26) can be used for Ref No. 216.

Note:

The cable which was included in the 2006 DLP model (PT-56/61DLX76/61DLX26) can be used for Ref No. 14.

<p>LSUA0043</p>  <p>RS232C I/F Tool</p> <p>Connect D-Sub 9 Pin Serial (RS232C) Cable to RS232C I/F Tool</p>  <p>female D-Sub 9 Pin Serial (RS232C) Cable: Purchase locally</p>	<p>RS232C Connecting tool (For 2002 models (PT-40/45LC12))</p>  <p>Note: RS232C Connecting tool which was included in the 2002 model checker as shown above can be used for both RS232C I/F Tool (LSUA0043) and D-Sub 9 Pin Serial (RS232C) Cable.</p>
<p>LSUA0064</p>  <p>7 Pin Extension Cable</p>	<p>LSUA0068</p>  <p>8 Pin Extension Cable</p>
<p>LSUA0069</p>  <p>Relay PCB (Adjustment)</p>	

4.2. Service Position

MAIN P.C.B. CHECK (1)

It is possible to check the component side of the Main P.C.B./Drive P.C.B.

The following original parts are not installed:
 Rear Jack Holder
 Top Duct Unit
 Main PCB Shield Case Top

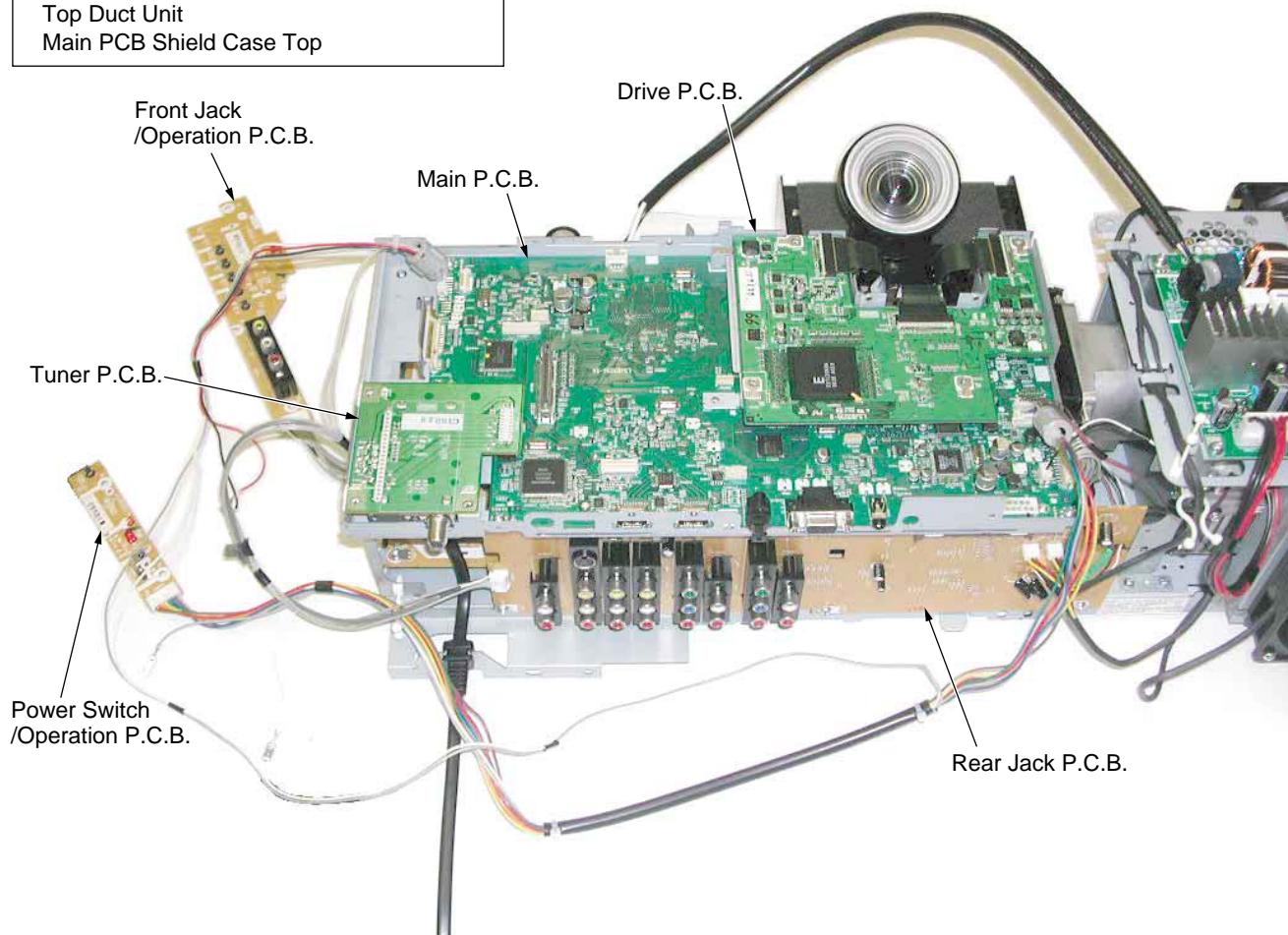


Fig. S1-1

MAIN P.C.B. CHECK (2)

It is possible to check the foil side of the Main P.C.B./Drive P.C.B.

The following original parts are not installed:
 Rear Jack Holder
 Top Duct Unit
 Main PCB Shield Case Top

For more details, See Fig. S2-1, S2-2

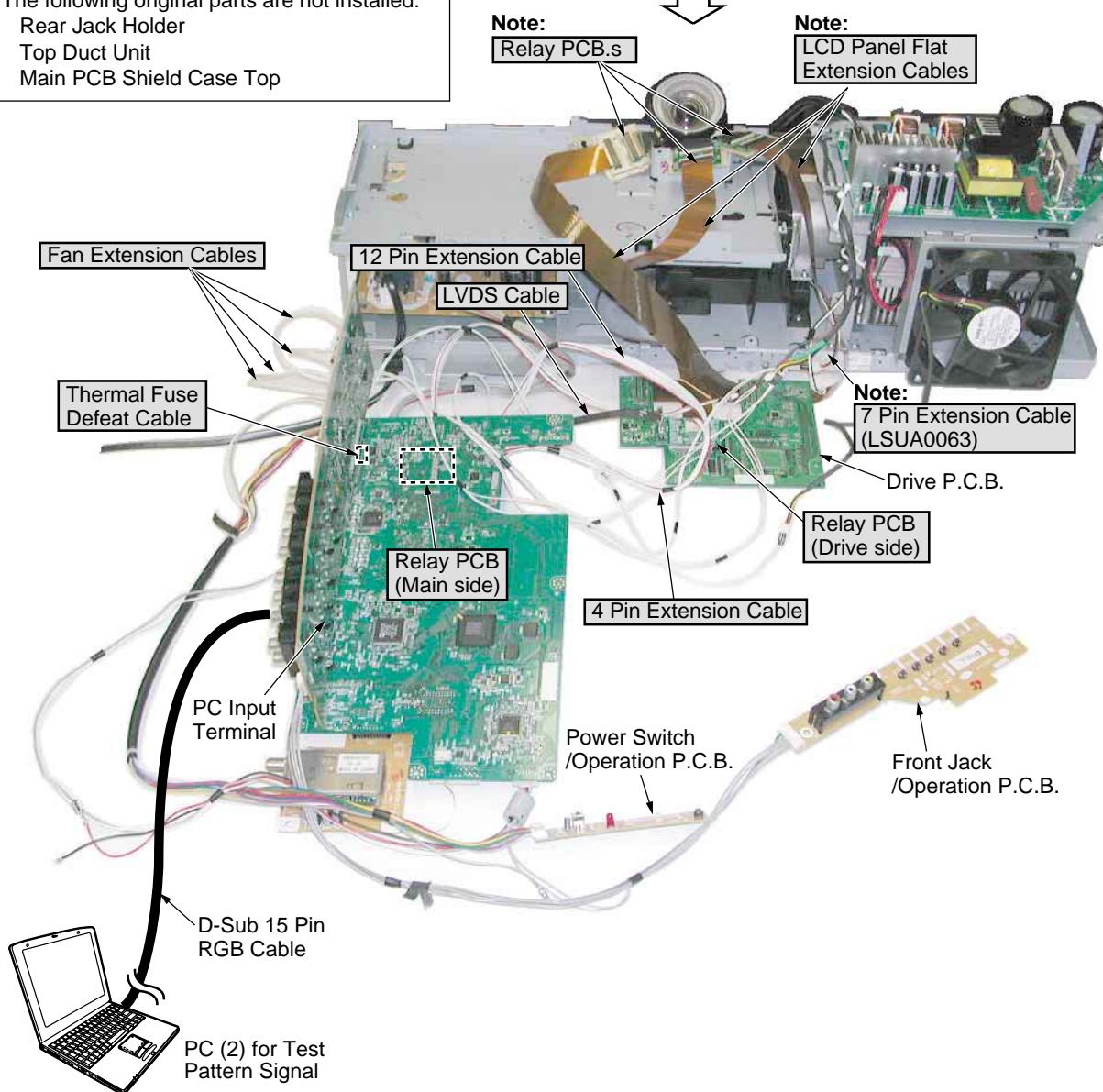


Fig. S1-2

MAIN P.C.B. CHECK (3)

It is possible to check the component side of the Main P.C.B./Drive P.C.B.

Note:

Connections are the same as Fig. S2-2.

The following original parts are not installed:
 Rear Jack Holder
 Top Duct Unit
 Main PCB Shield Case Top

For more details, See Fig. S2-1, S2-2

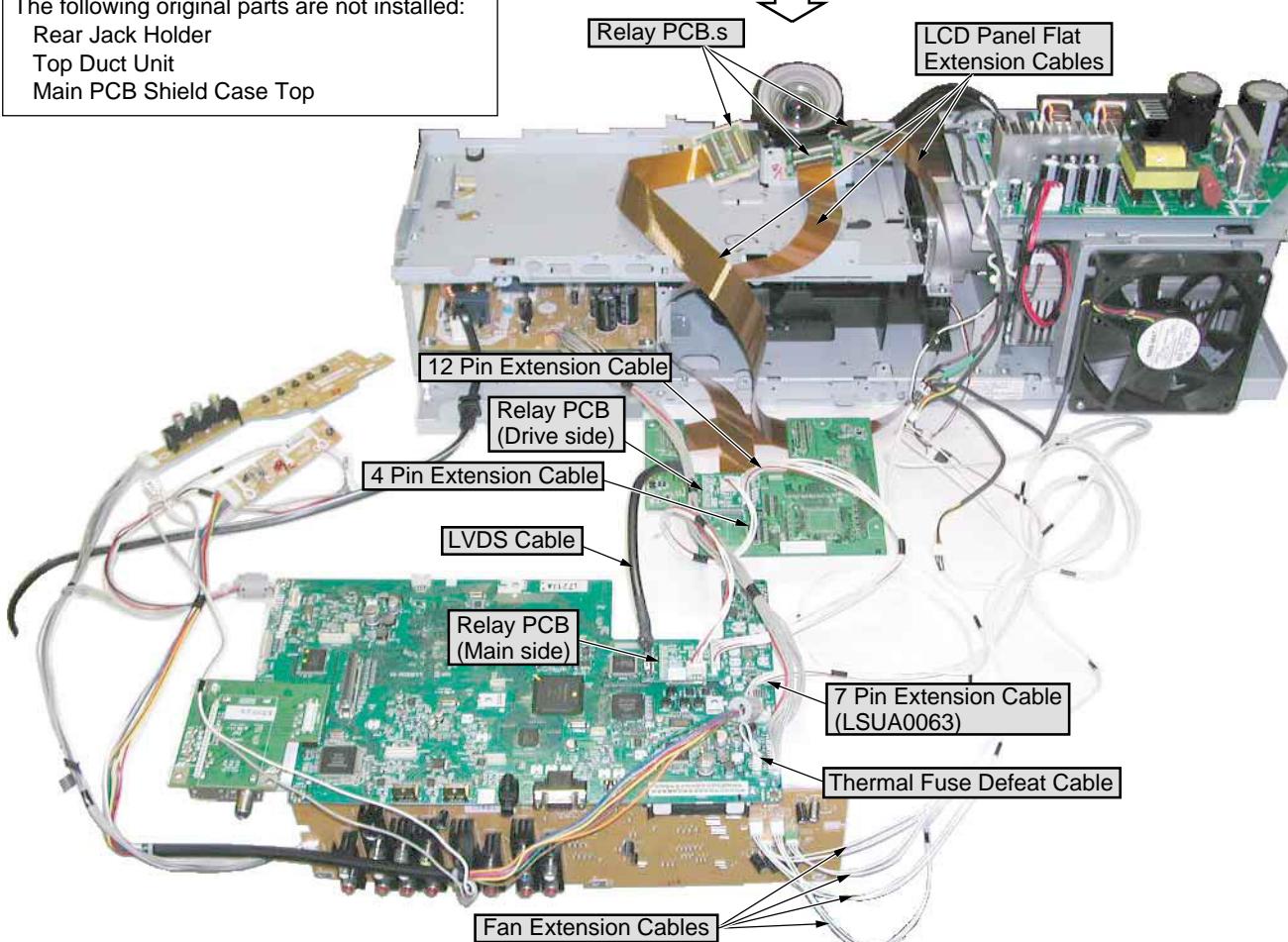


Fig. S1-3

MAIN P.C.B. CHECK (4)

It is possible to perform the Polarizer adjustment.

Note:

Connections are the same as Fig. S2-3.

The following original parts are not installed:
Rear Jack Holder
Top Duct Unit
Main PCB Shield Case Top
Main PCB Shield Case Bottom

For more details, See Fig. S2-1, S2-2

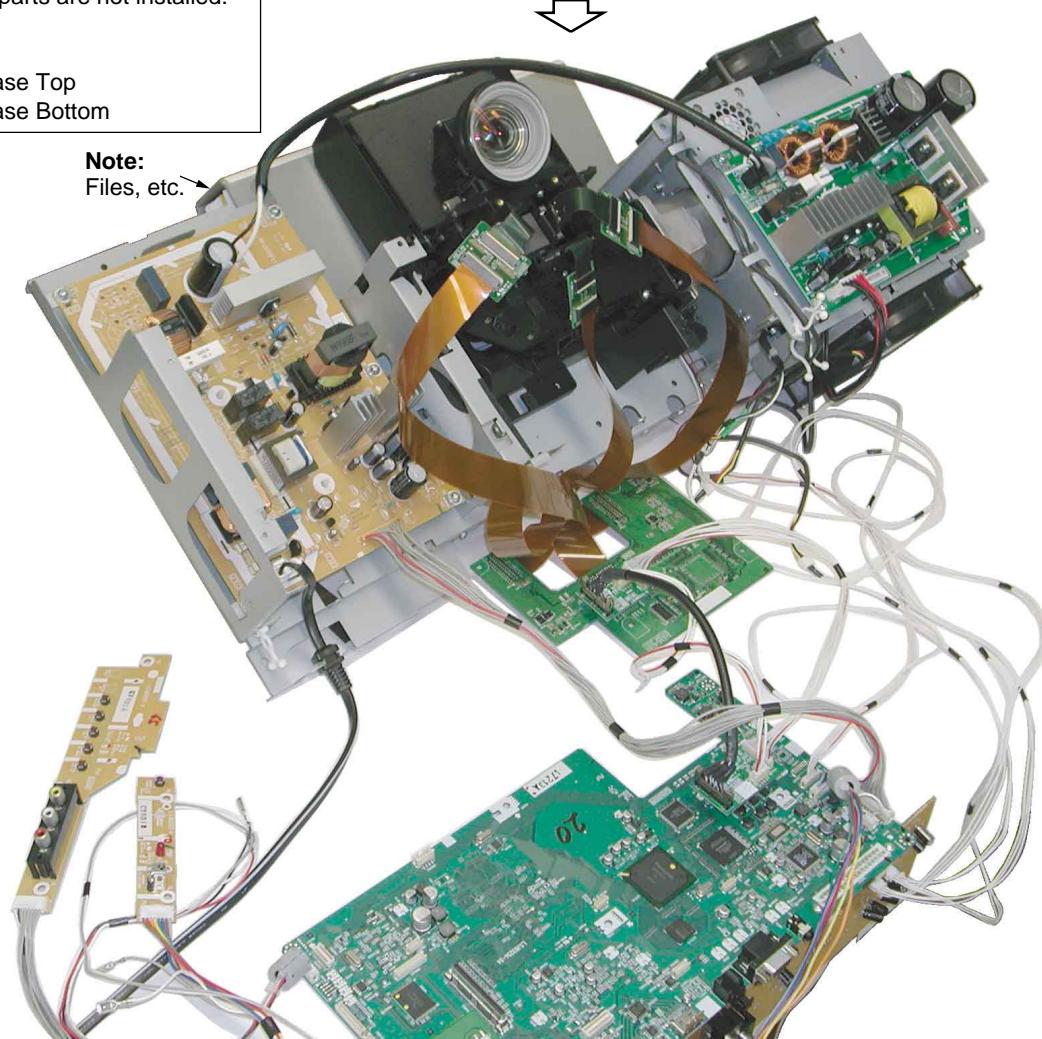
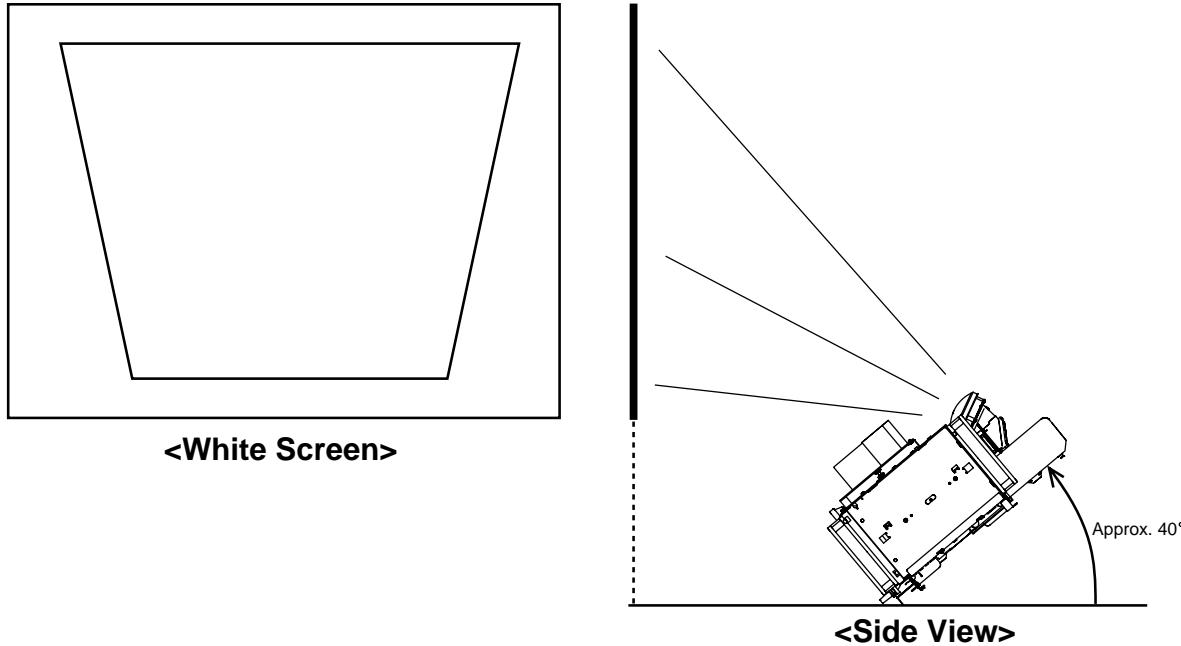


Fig. S1-4

Note for Service Position:

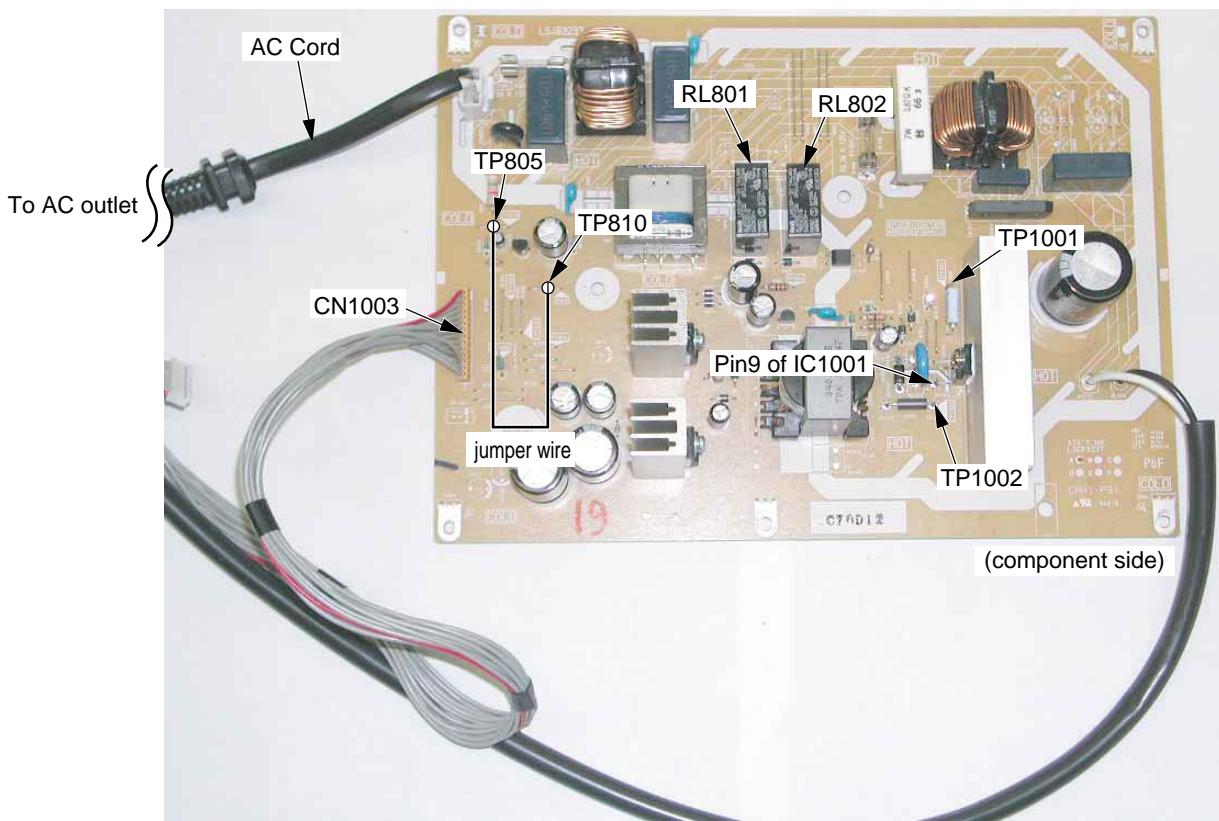
1. The optical parts will be exposed to the dust in the air when the Top Duct Unit is removed.
It is strongly recommend that it should be done in a clean room.
2. When picture is not outputting, it is necessary to connect LCD Panel Flat Extension Cables (LSUA0062), Relay PCBs (LSEP3240A) and 7 Pin Extension Cable (LSUA0063).
3. When checking the Main P.C.B. under the Drive P.C.B., remove the Drive P.C.B.
4. When changing the input mode, point the remote at IR receiver on the Front Jack/Operation P.C.B.
5. When performing Polarizer adjustment, project the picture onto the white screen so that the picture is within the limits of the Screen as shown.

Mechanical Adjustment Setting

POWER P.C.B. CHECK

It is possible to check the Power P.C.B. only with no load.

Power P.C.B. Service Position



Refer to "CHECKING THE POWER P.C.B." in "Troubleshooting Hints for Component Level Repair."

Note:

To turn on, solder a jumper between TP810 and TP805. Then, plug in AC Cord (snap sound).

Detailed View for Service Position

Note:

Take care not to apply excessive pressure to the LCD Panel FPC when servicing.

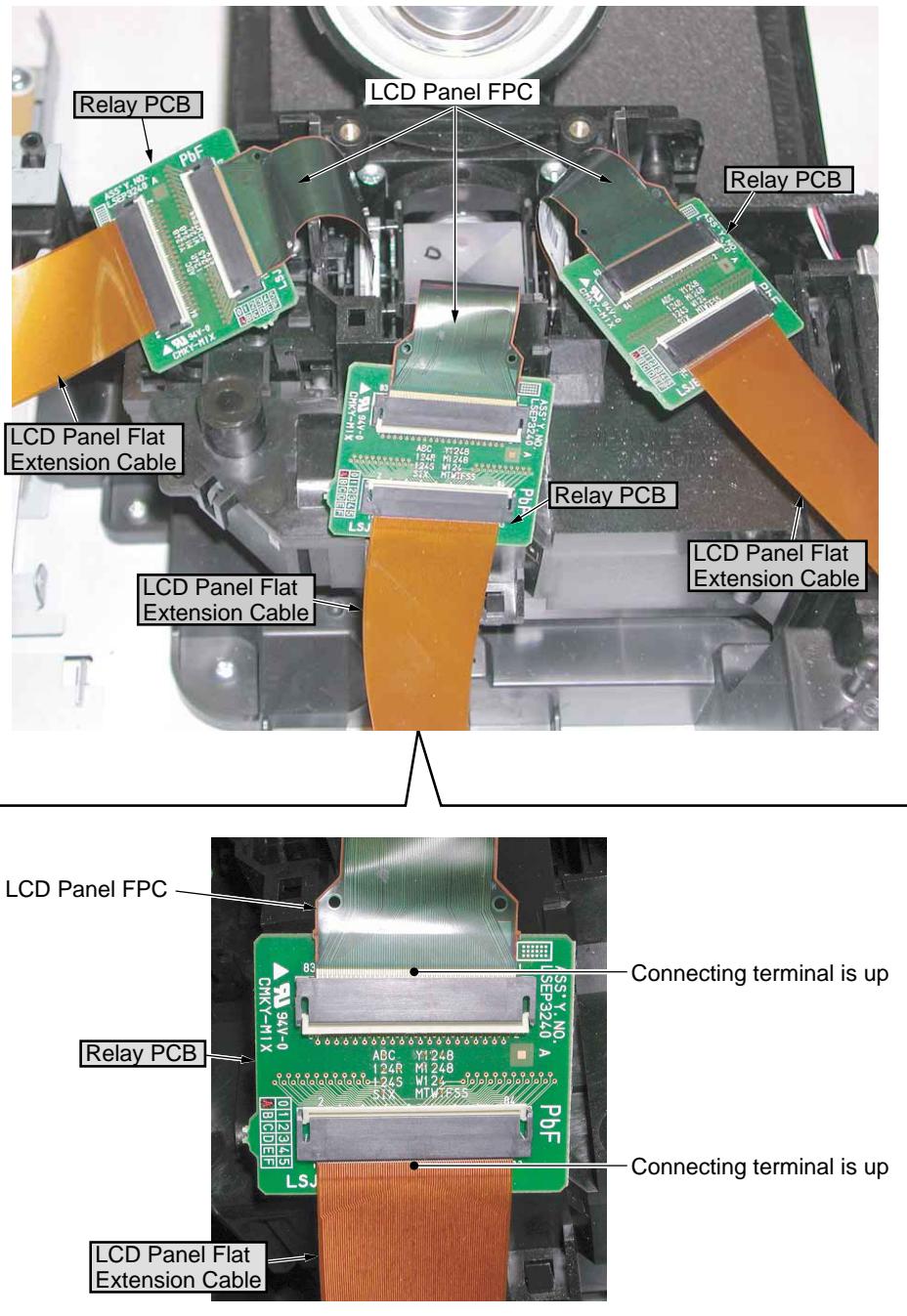


Fig. S2-1

Detailed View for Service Position

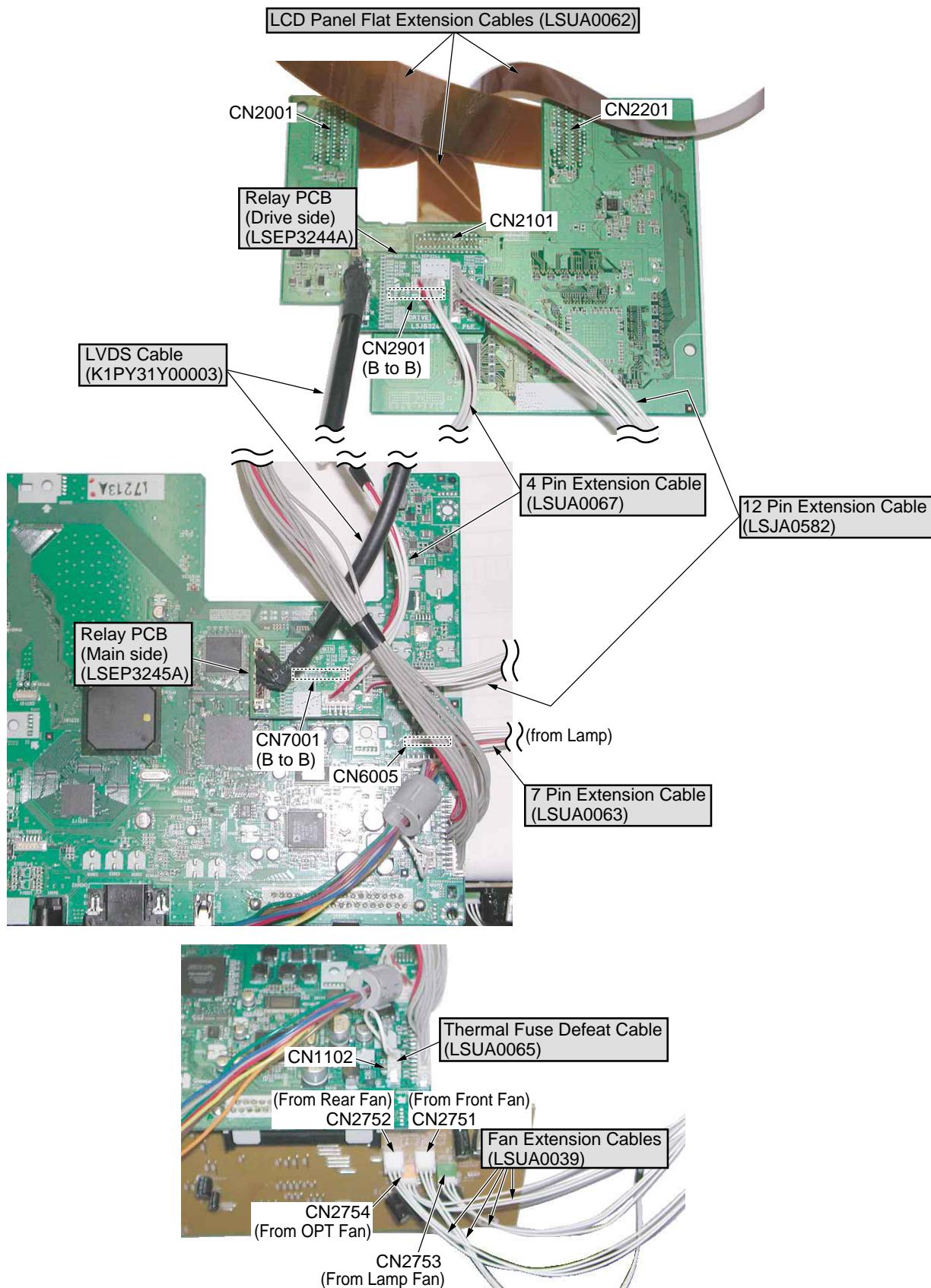


Fig. S2-2

4.3. Replacement Procedures for CSP (Chip Size Package) IC

IC Location

Make sure to install IC in the correct position on the P.C.B. as shown.

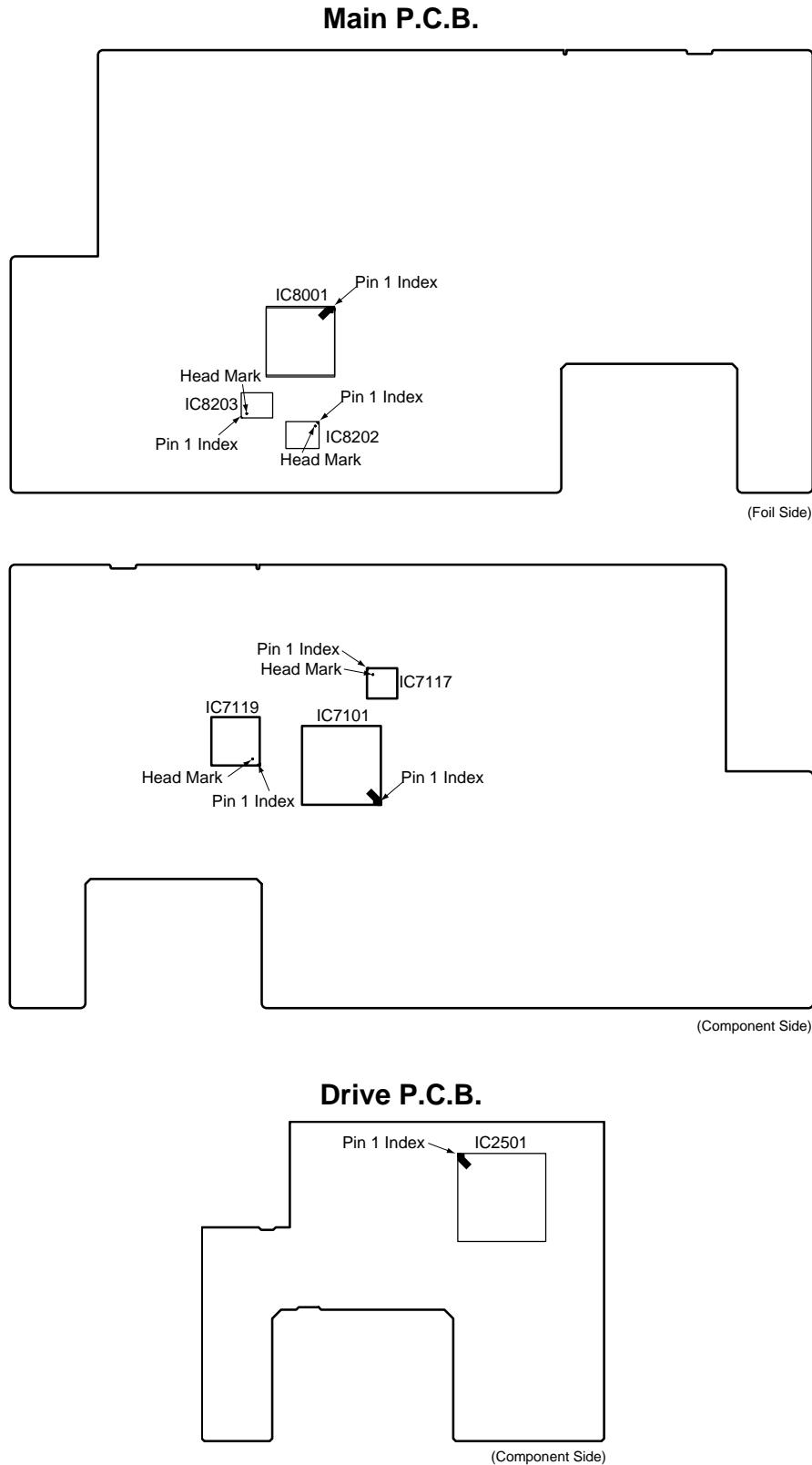


Fig. 10-1

Temperature Profile for Heat Resistance of CSP IC

- IC2501 (CSP IC) on the Drive P.C.B.

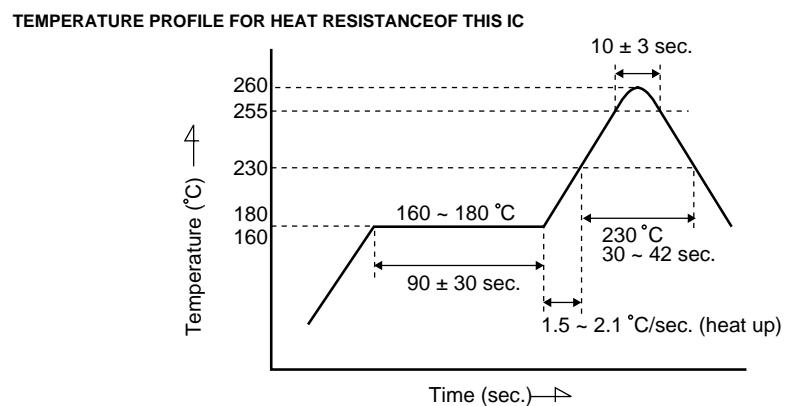
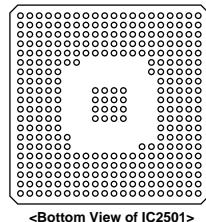


Fig. 10-2

- IC8001 (CSP IC) on the Main P.C.B.

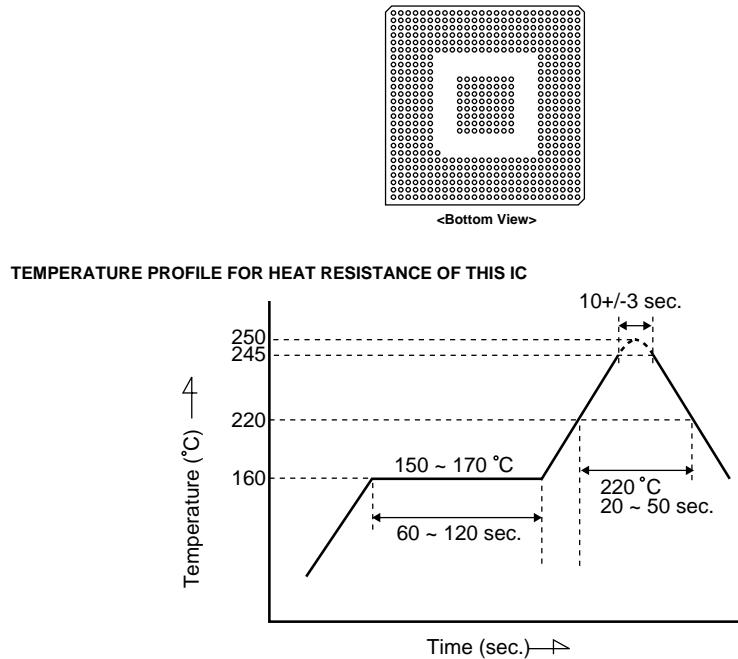


Fig. 10-3

- IC8202/IC8203 on the Main P.C.B.

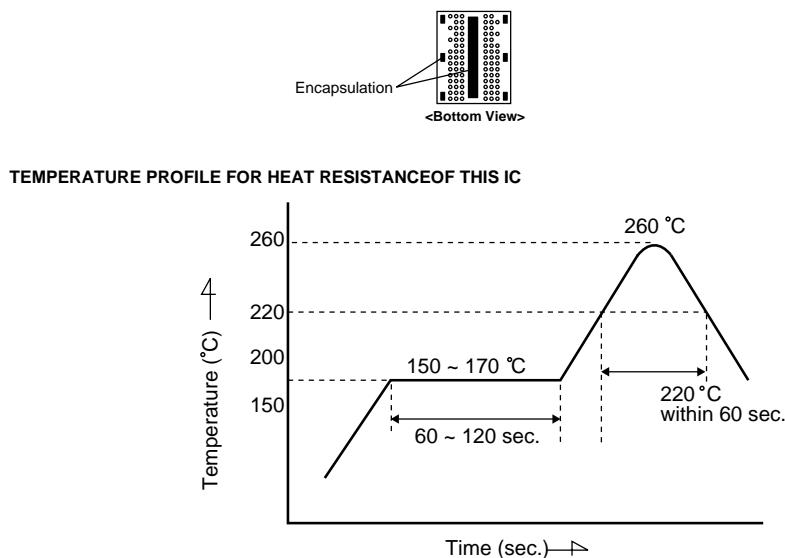
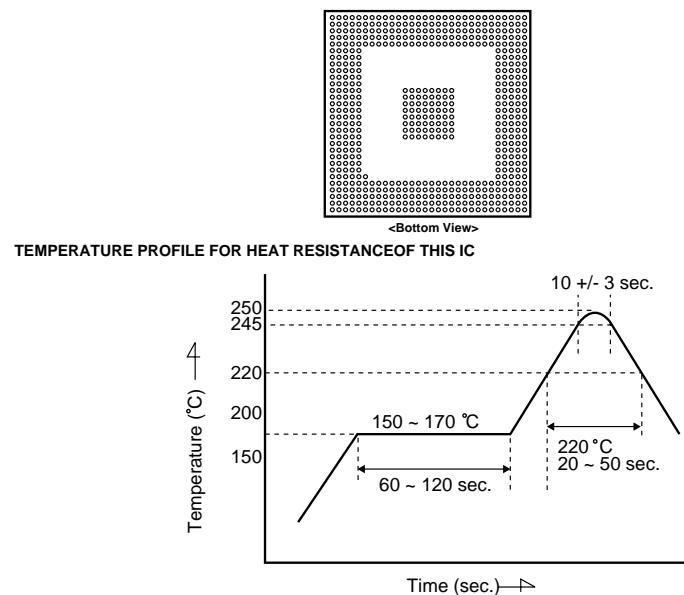
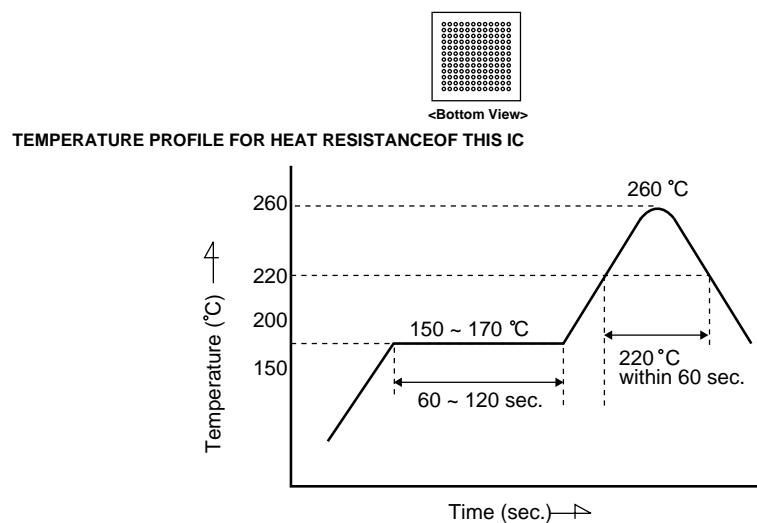


Fig. 10-4

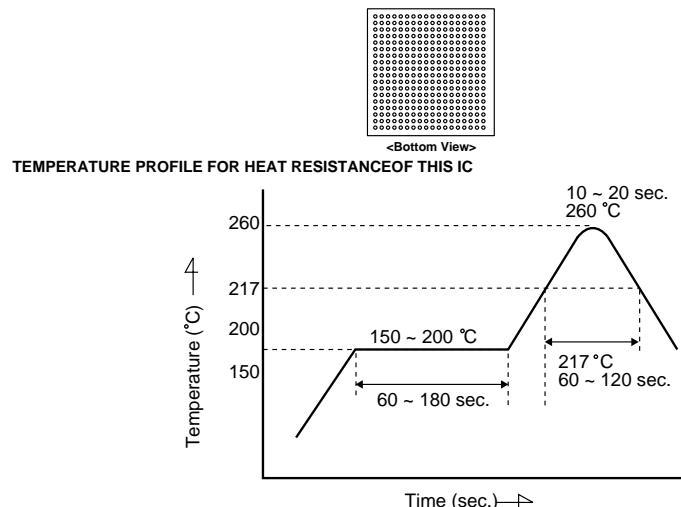
- IC7101 (CSP IC) on the Main P.C.B.



- IC7117 (CSP IC) on the Main P.C.B.



- IC7119 (CSP IC) on the Main P.C.B.



5 Disassembly and Assembly Instructions

5.1. Optical Section

DISASSEMBLY METHOD FOR OPTICAL UNIT

When reassembling, perform the steps in reverse order. Bend, route and dress the wires as they were originally.

Note :

- Place a cloth or some other soft material under the P.C. Boards or Unit to prevent damage.
- When reinstalling, ensure that the connectors are connected firmly and electrical components have not been damaged.
- Do not supply power to the unit during disassembly and reassembly.

Note:

The optical parts will be exposed to the dust in the air when the Top Duct Unit is removed. Therefore, it is strongly recommended to remove the Top Duct Unit only in a clean room.

REMOVAL OF THE MAIN P.C.B. AND THE DRIVE P.C.B. FROM THE OPT/TV UNIT

- Remove the Tuner P.C.B. and the Rear Jack P.C.B. Refer to Steps 1~3 in "REMOVAL OF THE TUNER P.C.B., THE REAR JACK P.C.B. AND THE POWER P.C.B." in the service manual (Vol.1).
- Remove the Top Duct Unit by removing the 2 screws.
- 1) Disconnect Connectors CN1101, CN1102, CN6005 and release from the clamper.
2) Open and remove the Main PCB Shield Case Top by removing the 3 screws.

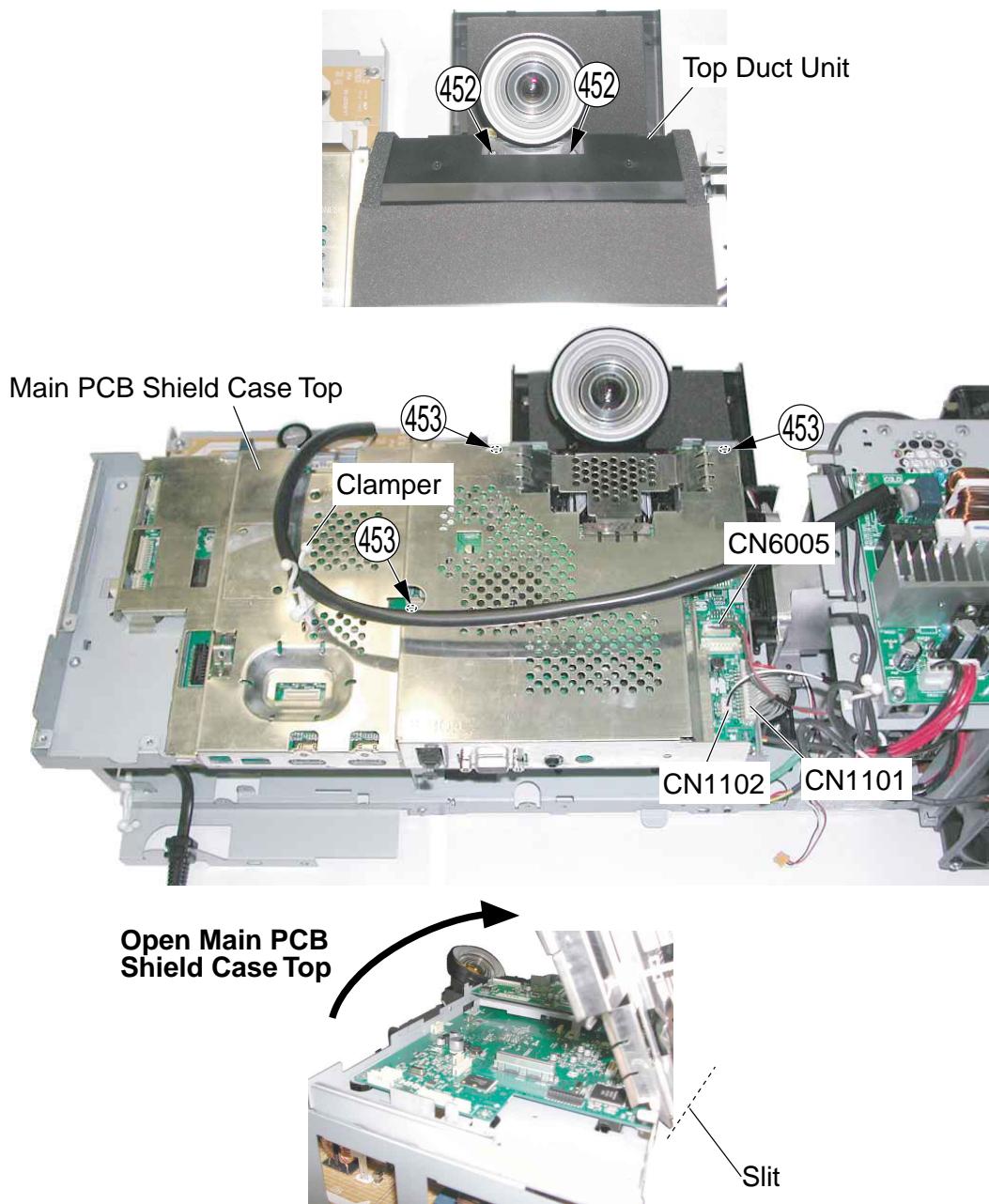


Fig. P1-1

4. 1) Disconnect Connectors CN2001, CN2101, CN2201 (LCD Flexible Flat Cable).
2) Remove the Drive P.C.B. by removing the 2 screws. (CN2901 is disconnected.)
5. 1) Remove the Drive Support Metal Plate by removing the 2 screws.
2) Remove the Main P.C.B. by removing the 5 screws.

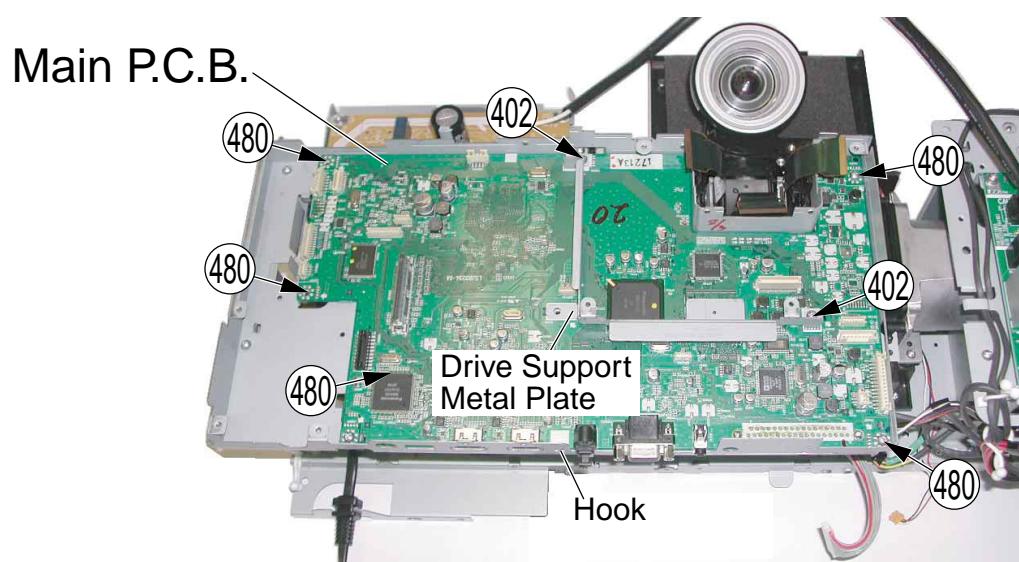
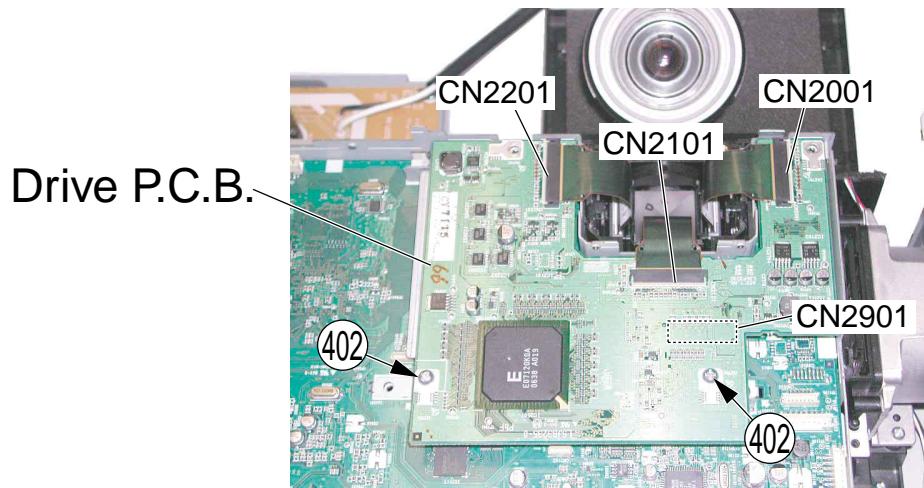


Fig. P1-2

6. Remove the Main PCB Shield Case Bottom by removing the screws.

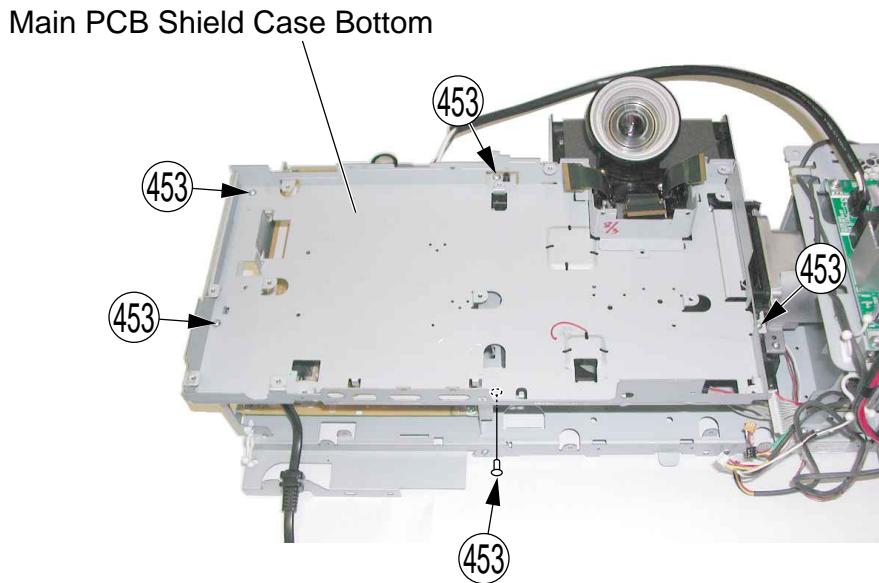


Fig. P1-3

REMOVAL OF THE POLARIZER UNITS

1. Remove the Main PCB and the Main PCB Shield Case Bottom. Refer to Steps 1~5 in "REMOVAL OF THE MAIN P.C.B. AND THE DRIVE P.C.B. FROM THE OPT/TV UNIT."
2. Remove the 3 Joint Piece Units.
3. Remove the Polarizer Red, Green, Blue Unit by removing the 3 Screws.

Note:

- a. Use extreme caution not to damage the Polarizer Units (Red, Green, Blue), when servicing.
- b. Clean the Polarizer Units if necessary. Refer to "Cleaning Methods" in Maintenance.

Joint Piece Units

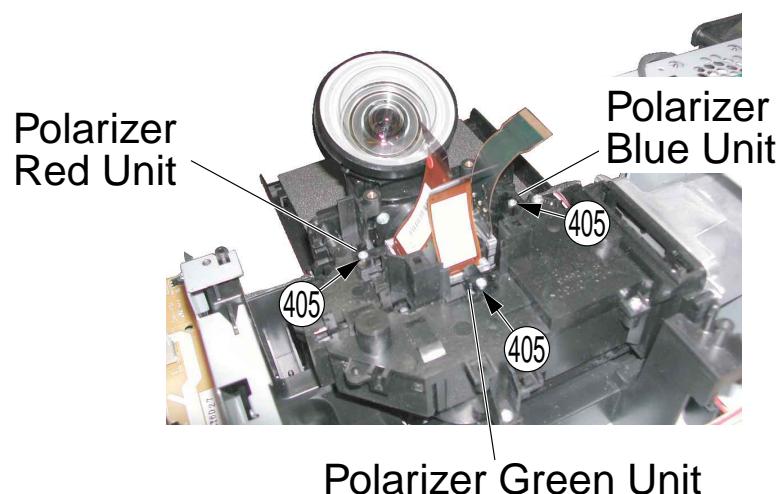


Fig. P2-1

Reassembly Note for the Polarizer Unit (Red, Green, Blue):

- a) After replacing the Polarizer Units, be sure to perform Polarizer Adjustment.
- b) Make sure of the mark color to distinguish the Polarizer Units.

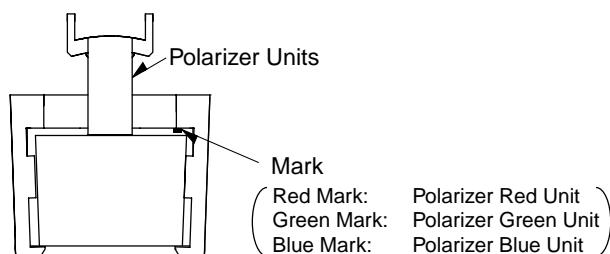


Fig. P2-2

REMOVAL OF THE OPTICAL BLOCK UNIT (Projection Lens Unit and LCD/Prism Unit)

1. Remove the Main PCB Shield Case Top. Refer to Steps 1~3 in "REMOVAL OF THE MAIN P.C.B. AND THE DRIVE P.C.B. FROM THE OPT/TV UNIT."
- 2) 1) Disconnect Connectors CN2001, CN2101, CN2201 (LCD Flexible Flat Cable).
2) Remove carefully the Optical Block Unit by removing the 4 Screws.

Note:

- a. Use extreme caution when handling the LCD/Prism Unit to avoid damage, dust, spots (especially fingerprints), etc.
- b. Clean the LCD/Prism Unit if necessary. Refer to "Cleaning Methods" in Maintenance.

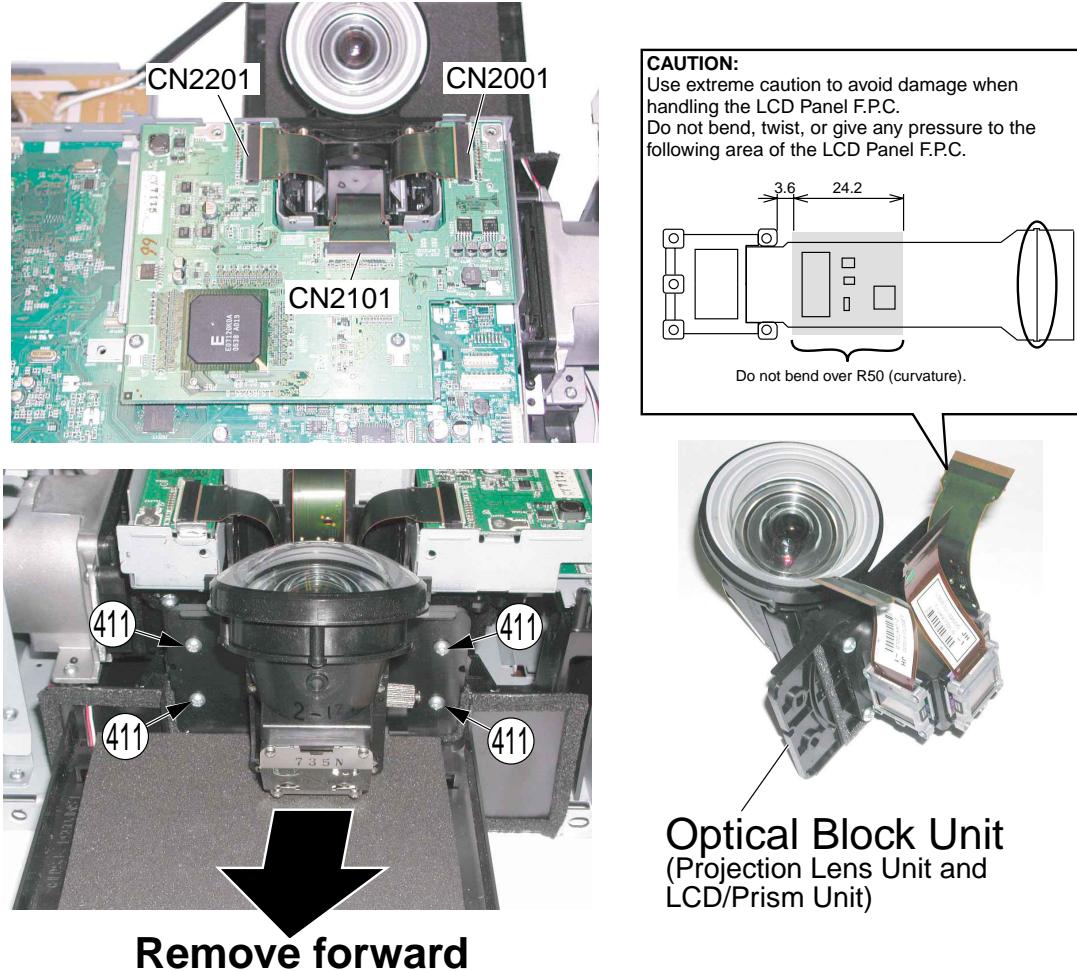
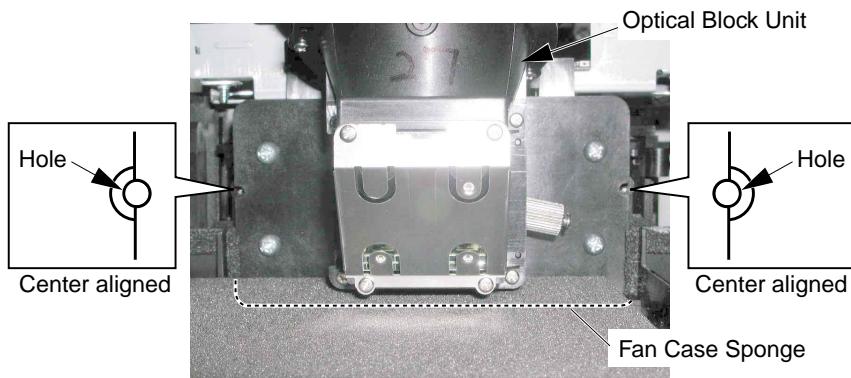


Fig. P3-1

Reassembly Note for Optical Block Unit:

1. Be sure to install the Optical Block Unit so that the Fan Case Sponge, etc. will fit properly with the Optical Block Unit.
2. Install the Optical Block Unit into the position as shown.



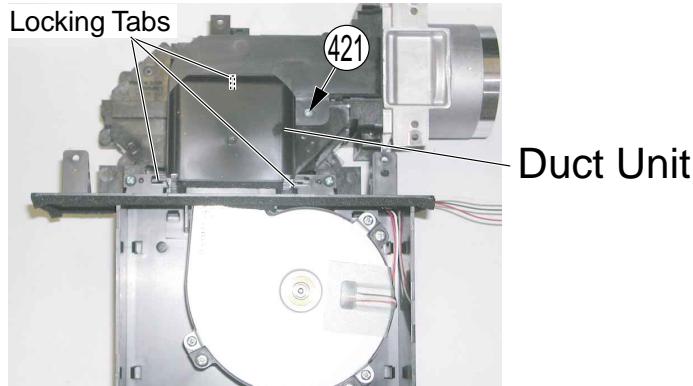
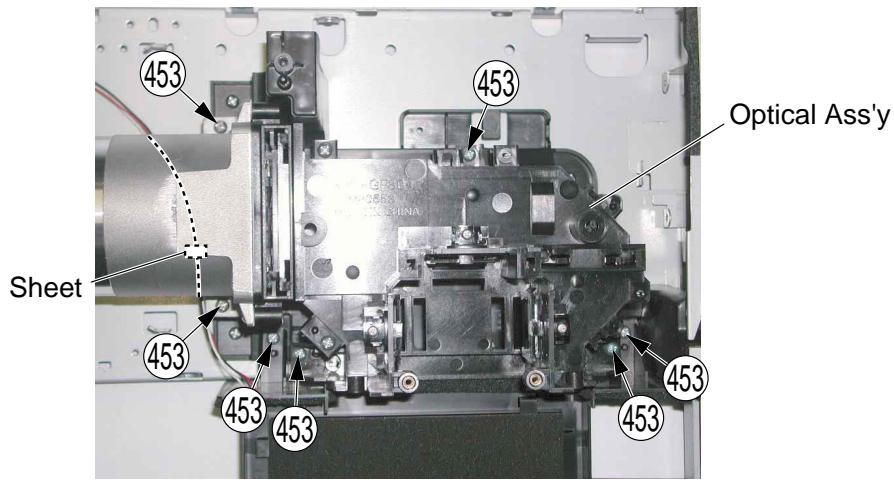
REMOVAL OF THE FAN CASE UNIT (OPT FAN), THE P/S CONVERTER, THE INTEGRATOR 1 AND THE INTEGRATOR 2

1. Remove the Lamp Ass'y. Refer to Step d in "HOW TO REPLACE THE LAMP UNIT" in the service manual (Vol.1).
2. Remove the Optical Block Unit. Refer to Steps 1~2 in "REMOVAL OF THE OPTICAL BLOCK UNIT."
3. Remove the Optical Ass'y by removing the 7 screws and a sheet.
4. 1) Remove the screw of the Duct Unit.
2) Remove the Duct Unit while releasing the 3 Locking Tabs.
5. Remove the Fan Case Unit from the Optical Unit by removing the 2 screws.

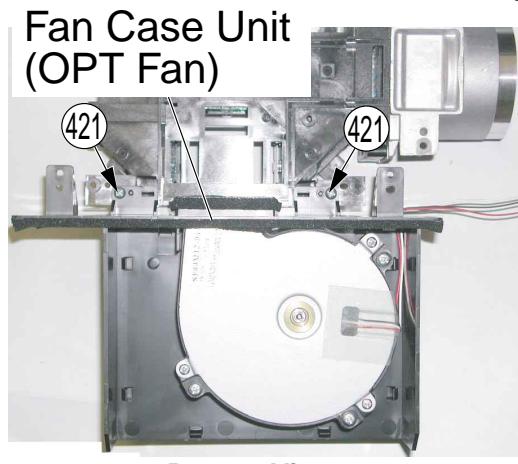
Note:

Do not touch the Air Filter of the Fan Frame Unit.

To remove the Fan Frame Unit (Air Filter), release the 8 Locking Tabs.



<Bottom View>



<Bottom View>

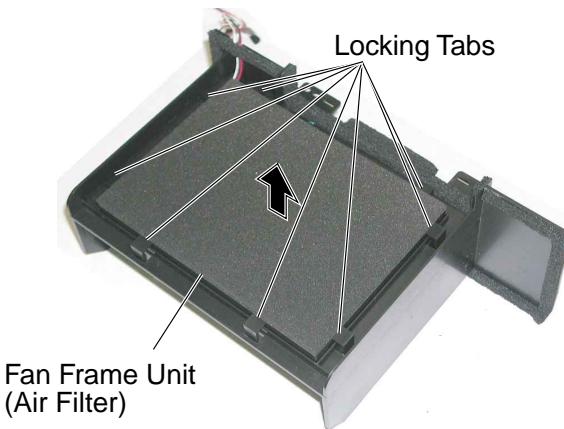


Fig. P4-1

6. Remove the Integrator Block Ass'y by removing the 4 screws.
7. 1) Remove the three Integrator 1 Springs by removing the 3 screws.
2) Remove the Integrator 1 from the Integrator Holder Unit.
8. 1) Remove the two PS Springs by removing the 2 screws.
2) Remove the P/S Converter by releasing the tabs of PS Holder.
3) Remove the AL Mask.
4) Remove the Integrator 2 by releasing the tabs of PS Holder.

Note:

Clean the optical components if necessary. Refer to "Cleaning Methods" in Maintenance.

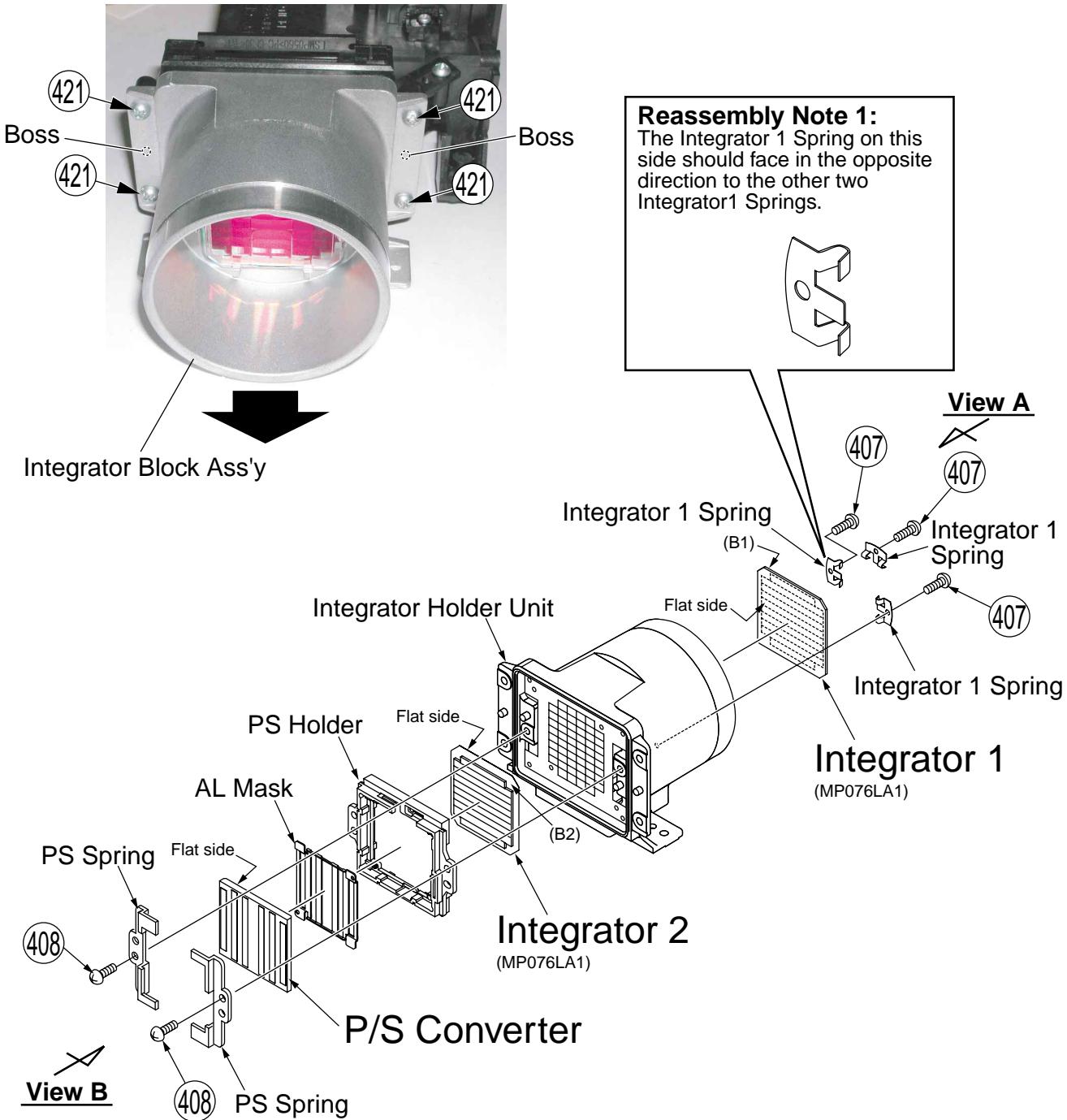


Fig. P4-2

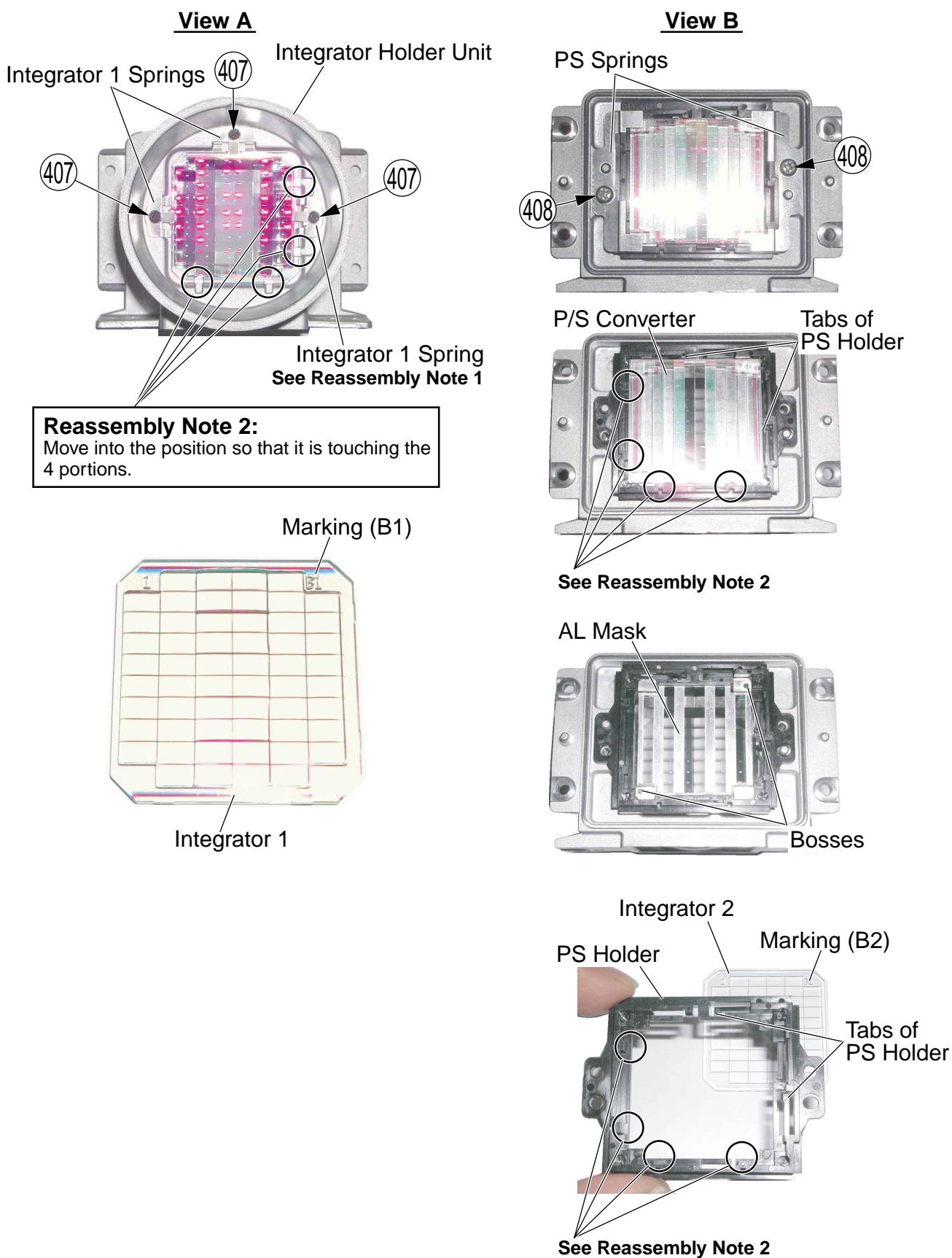


Fig. P4-3

6 Measurements and Adjustments

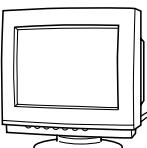
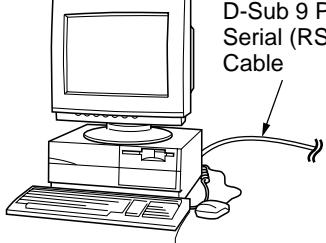
6.1. Adjustment Procedures 2

TEST EQUIPMENT

To do all of these electrical adjustments, the following equipment is required.

1. Video Pattern Generator (480i/1080p)
2. Plastic Tip Driver and Non-Metal Driver
3. (+) Screwdriver and (-) Screwdriver
4. **PC REQUIREMENTS**

The following PCs and Cables are required for Service Position. Prepare the following equipment locally.

PCs	Cables	Illustration	Specification
XGA Color PC Monitor	D-Sub 15 Pin RGB Cable for connecting the DA Board  male (For Monitor P.C.B. side)	 Note: PC (1) can be used for monitoring.	Monitor: 17 inch XGA (1,024 X 768) Color PC Monitor or higher
PC (1) for VCOM Adjustment	D-Sub 9 Pin Serial (RS232C) Cable for connecting the RS232C I/F Tool (LSUA0043)  female-female	 Note: PC (1) must have a 10-key keyboard.	Type: Desk Top PC or with 10-key keyboard (Desk Top recommended) Monitor: 17 inch XGA (1,024 X 768) Color PC Monitor or higher OS: Windows® 95,98 or later Port: D-Sub 9 Pin Serial (RS232C)
PC (2) for Test Pattern Signal	D-Sub 15 Pin RGB Cable for connecting the PC Input Terminal  male-male	 Note: PC (2) must have an RGB output port.	Type: Notebook PC recommended OS: Windows® 95,98 or later Port: RGB output

5. Test Pattern Signal : testptnmmd2002.exe
6. Application Software for VCOM Adjustment:
2007_1080P folder (33 files)

INPUT TERMINAL INFORMATION

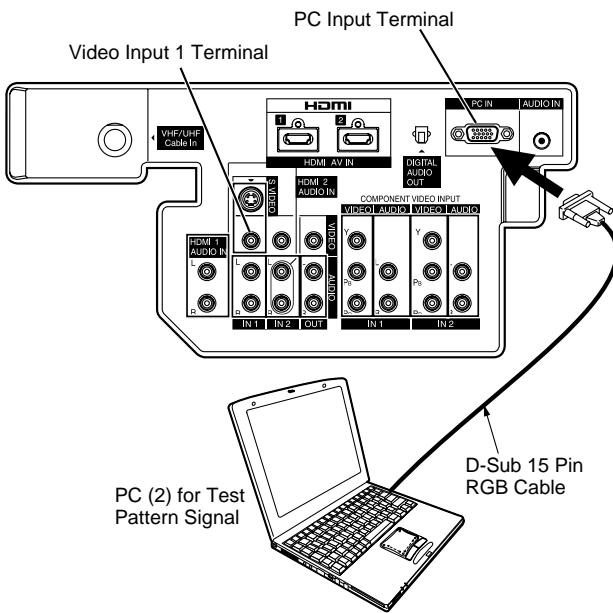


Fig. E1

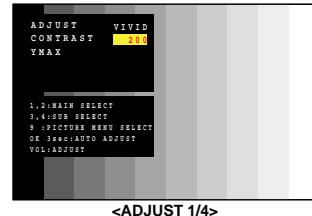
CONTRAST ADJUSTMENT (Automatic Adjustment)

Note:

When replacing the EEPROM IC (IC8201), perform this adjustment.

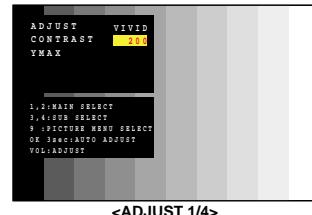
1. Enter the Service Adjust Mode. Then, press 1 key once on the remote to enter ADJUST 1/4 screen.
2. Connect the Video Pattern Generator to the Video Input 1 Terminal and supply Gray Scale Pattern Signal (10 scales).
3. Set to Video 1 mode by pressing TV/VIDEO key on the remote.

Gray Scale Pattern Signal (10 scales)



4. Press OK key on the remote for 3 seconds.
The value will be red while adjusting.
5. Confirm that the value is not "NG."
6. Connect the Video Pattern Generator to the Component 1 Terminal and supply Gray Scale Pattern Signal (10 scales).
7. Set to Component 1 mode by pressing TV/VIDEO key on the remote.
8. Press OK key on the remote for 3 seconds.
The value will be red while adjusting.

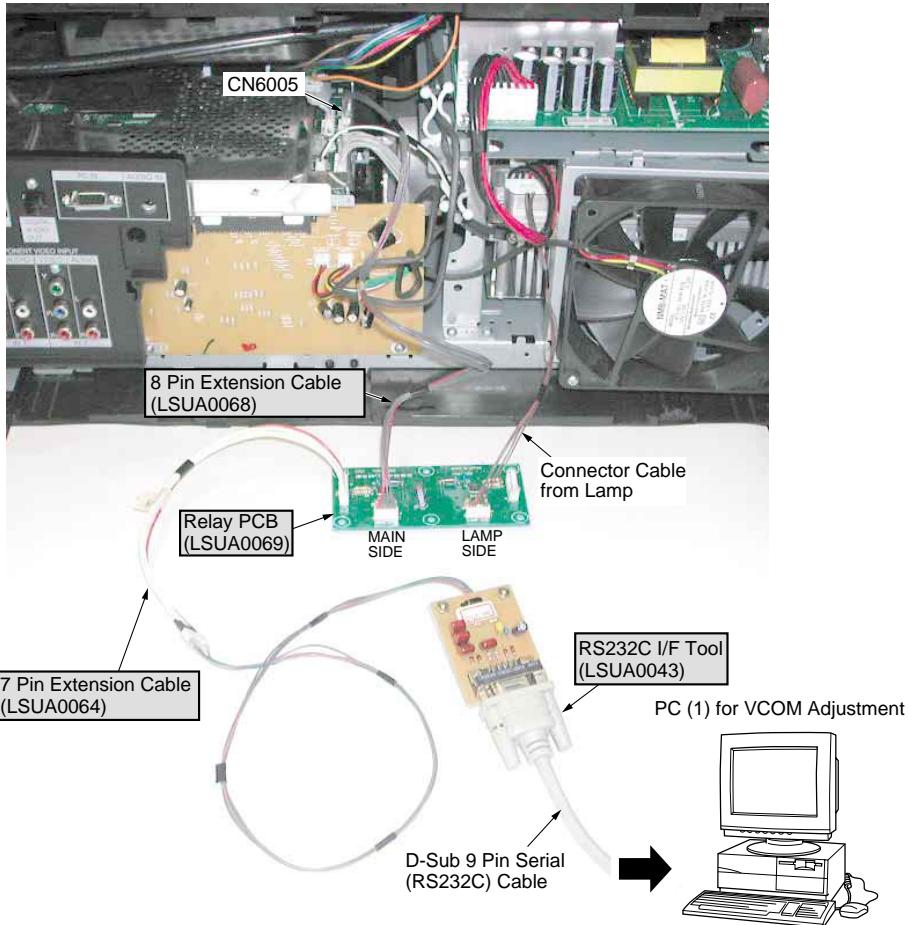
Gray Scale Pattern Signal (10 scales)



9. Confirm that the value is not "NG."
10. After adjustment, turn off the power.

SET UP for VCOM Adjustment:

- 1) Remove the Rear Cover Unit.
- 2) Disconnect Connector CN6005 on the Main P.C.B.
- 3) Connect Connector CN6005 and PC (1) with the 8 Pin Extension Cable, the 7 Pin Extension Cable, the Relay PCB, the RS232C I/F Tool, the D-Sub 9 Pin Serial (RS232C) Cable.

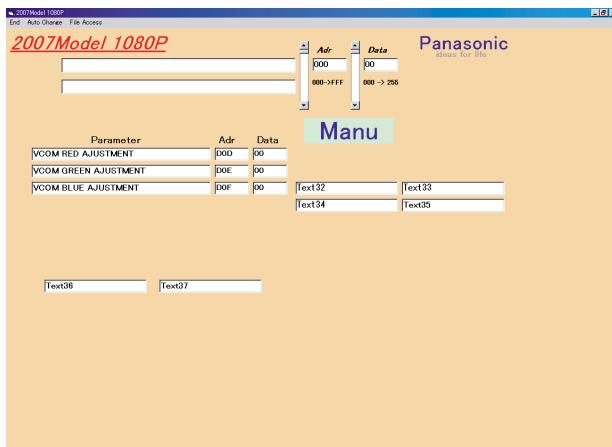


2. Install the software for VCOM adjustment into the PC (1).

Note:

The PC (1) must have a 10-key keyboard.

- 1) Copy the "2007_1080P (33 files)" folder to C: Drive.
- 2) Execute the "Vcom2007_1080P.exe" file.



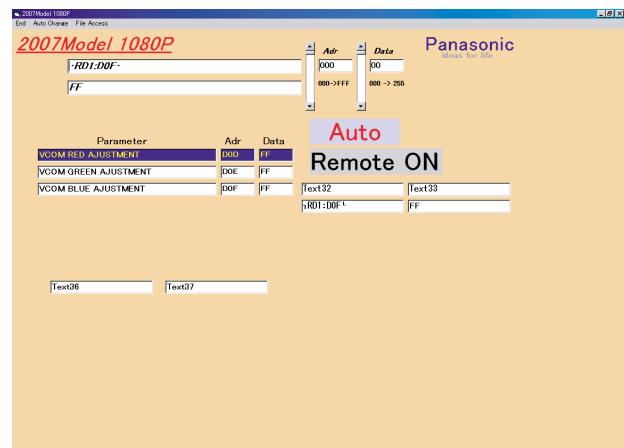
3. Turn on the unit power.

4. To turn the remote on, press DEL key.

"Manu" indication will change to "Auto" indication, and "Remote ON" indication will appear.

Note:

Confirm NUMLOCK is on. If not, turn on NUMLOCK by pressing the NUMLOCK key on the 10-key keyboard.



5. Perform the VCOM Adjustment.

6. After completing adjustments, turn the remote off by pressing DEL key. Then, end the software.

VCOM ADJUSTMENT

Purpose:

To set the optimum LCD common voltage.

Symptom of Misadjustment:

The picture will be flickering.

TP	ADJ.	INPUT
	Vcom R Adjust	(PC Input Terminal) 70 % Red Horizontal Signal
	Vcom G Adjust	(PC Input Terminal) 70 % Green Horizontal Signal
	Vcom B Adjust	(PC Input Terminal) 70 % Blue Horizontal Signal
EQUIPMENT		SPECIFICATION
PC(2), Test Pattern Signal or PC with video graphics card		Refer to Description below

Note:

This method is for use with PC which has a 1080p video graphics card to output the Test Pattern Signal.

Test Pattern Signal:

- 70 % Red Horizontal Signal: "2 Red 70 %" in "2 Horizontal" of "3 Phase"
- 70 % Green Horizontal Signal: "3 Green 70 %" in "2 Horizontal" of "3 Phase"
- 70 % Blue Horizontal Signal: "4 Blue 70 %" in "2 Horizontal" of "3 Phase"

SET UP:

1. Connect the PC(2) to the PC Input Terminal with the RGB Cable.

Note:

PC output should be **1080p resolution**.

A Desk Top PC with a video graphics card compatible with 1080p resolution must be used.

2. Set to PC mode by pressing TV/VIDEO key on the remote.

PROCEDURES:

1. Supply 70% Red Horizontal signal.
2. Select "VCOM RED ADJUSTMENT" in menu.
3. Adjust "VCOM RED ADJUSTMENT" by pressing 4(←), 6(→) key on the 10-key keyboard so that there are no flicker on the whole screen.
4. Supply 70% Green Horizontal signal.
5. Then, select "VCOM GREEN ADJUSTMENT" in software menu by 2(↓) or 8(↑) key on the 10-key keyboard.
6. Adjust "VCOM GREEN ADJUSTMENT" by pressing 4(←), 6(→) key on the 10-key keyboard so that the flicker on the whole screen becomes minimum and uniformity.
7. Supply 70% Blue Horizontal signal.
8. Then, select "VCOM BLUE ADJUSTMENT" in software menu by 2(↓) or 8(↑) key on the 10-key keyboard.
9. Adjust "VCOM BLUE ADJUSTMENT" by pressing 4(←), 6(→) key on the 10-key keyboard so that the flicker on the whole screen becomes minimum and uniformity.
10. End the software.
11. Turn off the unit power.

WHITE BALANCE ADJUSTMENT

Note:

1. Be sure to perform the White Balance Adjustment after the power has been on for more than 10 minutes so that color temperature is stable.
2. This adjustment should be done in a darkroom.

Purpose:

To set the standard white level for each color temperature.

Symptom of Misadjustment:

The white color of picture will become bluish or reddish.

TP	ADJ.	INPUT
	R-CUT B-CUT R-DRV B-DRV	(COMPONENT Terminal) Gray Scale Pattern Signal (10 or 16 scales) and (PC Input Terminal) Gray Scale Pattern Signal (16 scales)
EQUIPMENT		SPECIFICATION
Video Pattern Generator (480i /1080p), or PC with video graphics card, Test Pattern Signal		Refer to Description below

SET UP :

(SD signal)

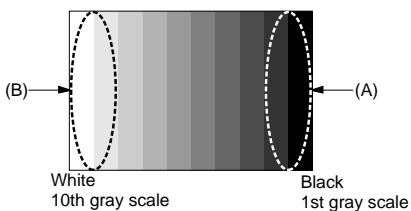
1. Connect the Video Pattern Generator (480i signal) to the Component Input Terminal.
2. Set to Component mode by pressing TV/VIDEO key on the remote.
3. Supply Gray Scale Pattern Signal (480i signal).
4. Enter the Service Adjust Mode by pressing VOL DOWN button and RECALL key (3 times).
5. Select WB-ADJ 1/8 screen (R-CUT) by pressing 1 key or 2 key.
6. Set the following setting in WB-ADJ 1/8 screen (R-CUT), WB-ADJ 3/8 screen (B-CUT), WB-ADJ 4/8 screen (R-DRV) and WB-ADJ 6/8 screen (B-DRV).
 - WB-ADJ: VIVID
 - FORMAT: SD
 - COLOR TEMP: NORMAL

Note:

Before adjusting, memorize the default values of R-CUT, B-CUT, R-DRV and B-DRV in Service Adjust Mode.

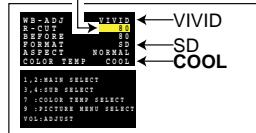
1. Adjust R-CUT and B-CUT by pressing VOL+ or VOL - key so that the area around (A) becomes pure gray with no red or blue tint.
2. Adjust R-DRV and B-DRV by pressing VOL+ or VOL - key so that the area around (B) becomes pure gray with no red or blue tint.

Gray Scale Pattern Signal (10 scales)



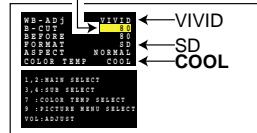
3. Set COLOR TEMP to COOL by pressing 7 key.
4. Copy the NORMAL values which were adjusted in steps 1, 2.

Copy the NORMAL value



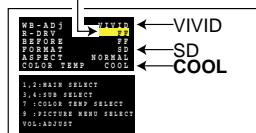
<WB-ADJ 1/8>
(R-CUT)

Copy the NORMAL value



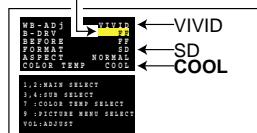
<WB-ADJ 3/8>
(B-CUT)

Copy the NORMAL value



<WB-ADJ 4/8>
(R-DRV)

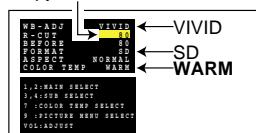
Copy the NORMAL value



<WB-ADJ 6/8>
(B-DRV)

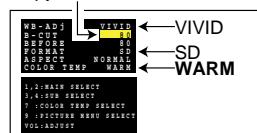
5. Set COLOR TEMP to WARM by pressing 7 key.
6. Copy the NORMAL values which were adjusted in steps 1, 2.

Copy the NORMAL value



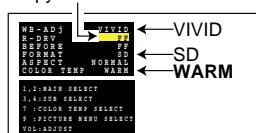
<WB-ADJ 1/8>
(R-CUT)

Copy the NORMAL value



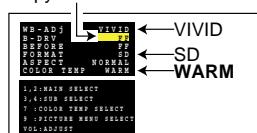
<WB-ADJ 3/8>
(B-CUT)

Copy the NORMAL value

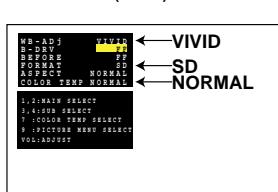
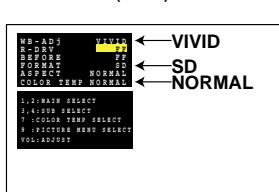
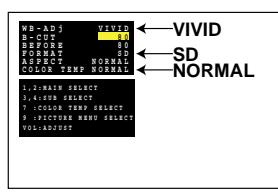
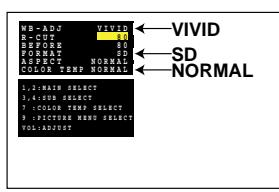


<WB-ADJ 4/8>
(R-DRV)

Copy the NORMAL value



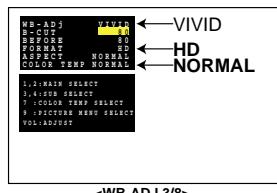
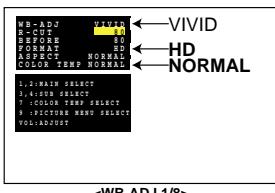
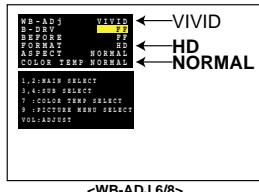
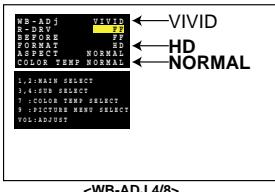
<WB-ADJ 6/8>
(B-DRV)



(HD signal)**Note:**

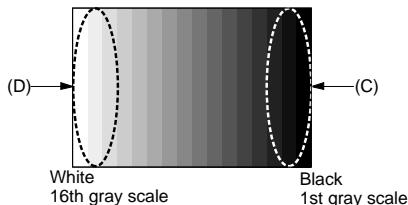
This method is for use with PC which has a 1080p video graphics card to output the Test Pattern Signal.

7. Connect the PC to the PC Input Terminal with the RGB Cable.
8. Set to PC mode by pressing TV/VIDEO key on the remote.
9. Supply Gray Scale Pattern Signal (1080p signal) from PC.
10. Set the following setting in WB-ADJ 1/8 screen (R-CUT), WB-ADJ 3/8 screen (B-CUT), WB-ADJ 4/8 screen (R-DRV) and WB-ADJ 6/8 screen (B-DRV).
 - WB-ADJ: VIVID (no change)
 - FORMAT: SD
 - COLOR TEMP: NORMAL

<WB-ADJ 1/8>
(R-CUT)<WB-ADJ 3/8>
(B-CUT)<WB-ADJ 4/8>
(R-DRV)<WB-ADJ 6/8>
(B-DRV)

11. Adjust R-CUT and B-CUT by pressing VOL+ or VOL - key so that the area around (C) becomes pure gray with no red or blue tint.
12. Adjust R-DRV and B-DRV by pressing VOL+ or VOL - key so that the area around (D) becomes pure gray with no red or blue tint.

Gray Scale Pattern Signal (16 scales)



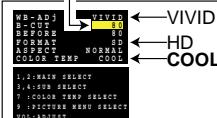
13. Set COLOR TEMP to COOL by pressing 7 key.

14. Copy the NORMAL values which were adjusted in steps 11, 12.

Copy the NORMAL value

<WB-ADJ 1/8>
(R-CUT)

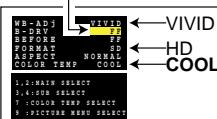
Copy the NORMAL value

<WB-ADJ 3/8>
(B-CUT)

Copy the NORMAL value

<WB-ADJ 4/8>
(R-DRV)

Copy the NORMAL value

<WB-ADJ 6/8>
(B-DRV)

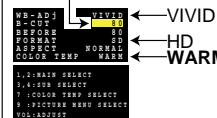
15. Set COLOR TEMP to WARM by pressing 7 key.

16. Copy the NORMAL values which were adjusted in steps 11, 12.

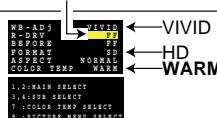
Copy the NORMAL value

<WB-ADJ 1/8>
(R-CUT)

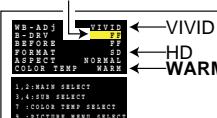
Copy the NORMAL value

<WB-ADJ 3/8>
(B-CUT)

Copy the NORMAL value

<WB-ADJ 4/8>
(R-DRV)

Copy the NORMAL value

<WB-ADJ 6/8>
(B-DRV)

17. Confirm the screen with COLOR TEMP NORMAL/COOL/WARM of SD and HD.

If NG, repeat steps 1~16.

If OK, the adjustment is complete.

POLARIZER ADJUSTMENT (Mechanical Adjustment)

Purpose:

To set the polarizer in the proper position.

Symptom of Misadjustment:

The picture will become bluish or reddish or greenish.

TP	ADJ.	INPUT
	Polarizer Green Polarizer Red Polarizer Blue	No signal input (Black screen is displayed.) (SET UP 1) or (PC Input Terminal) Black Signal (SET UP 2) or (VIDEO Input 1 Terminal) Black Signal (SET UP 3)
EQUIPMENT		SPECIFICATION
Screwdriver (+), PC(2), Test Pattern Signal, (Video Pattern Generator)		Refer to Description below

Note:

This adjustment should be done in a darkroom.

Test Pattern Signal:

- Black Signal: "8 Black" in "1 Color"

SET UP 1:

1. Place the unit into Service Position.
2. Set to a desired mode except TV mode by pressing TV/VIDEO key on the remote.
3. No signal input.
4. Perform Polarizer (Green, Red and Blue) Adjustment as follows in order.

OR

SET UP 2:

1. Place the unit into Service Position.
2. Connect the PC (2) to the PC Input Terminal with the RGB cable.
3. Supply Black Signal and set to PC mode by pressing TV/VIDEO key on the remote.
4. Perform Polarizer (Green, Red and Blue) Adjustment as follows in order.

OR

SET UP 3:

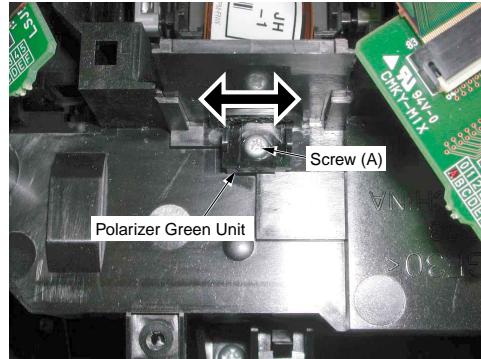
1. Place the unit into Service Position.
2. Connect the NTSC Video Pattern Generator to the VIDEO Input 1 Terminal.
3. Supply Black Signal and set to VIDEO 1 mode by pressing TV/VIDEO key on the remote.
4. Perform Polarizer (Green, Red and Blue) Adjustment as follows in order.

Note:

Confirm that the picture will become black (not become bluish or reddish or greenish) after adjustment.

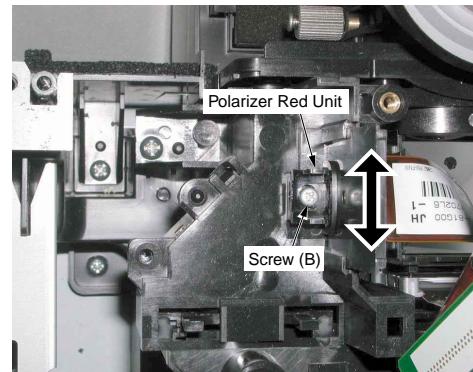
POLARIZER GREEN ADJUSTMENT

1. Loosen a Screw (A) of the Polarizer Green Unit.
2. Move the Polarizer Green Unit to the right and left so that there is no green tint on the whole screen, and then tighten a Screw (A) (30+/-10 N·cm).



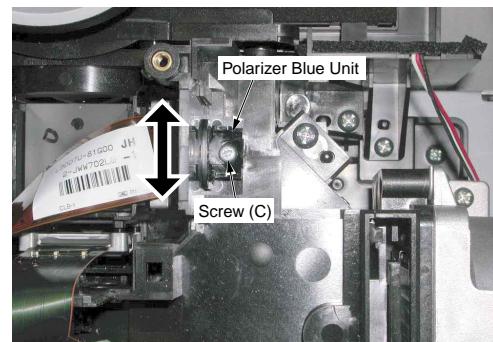
POLARIZER RED ADJUSTMENT

1. Loosen a Screw (B) of the Light IN Polarizer Red Unit.
2. Move the Light IN Polarizer Red Unit to the right and left so that there is no red tint on the whole screen, and then tighten a Screw (B) (30+/-10 N·cm).



POLARIZER BLUE ADJUSTMENT

1. Loosen a Screw (C) of the Light IN Polarizer Blue Unit.
2. Move the Light IN Polarizer Blue Unit to the right and left so that there is no blue tint on the whole screen, and then tighten a Screw (C) (30+/-10 N·cm).



7 Maintenance

7.1. Cleaning Methods

THE LCD PANEL OF THE OPTICAL BLOCK UNIT

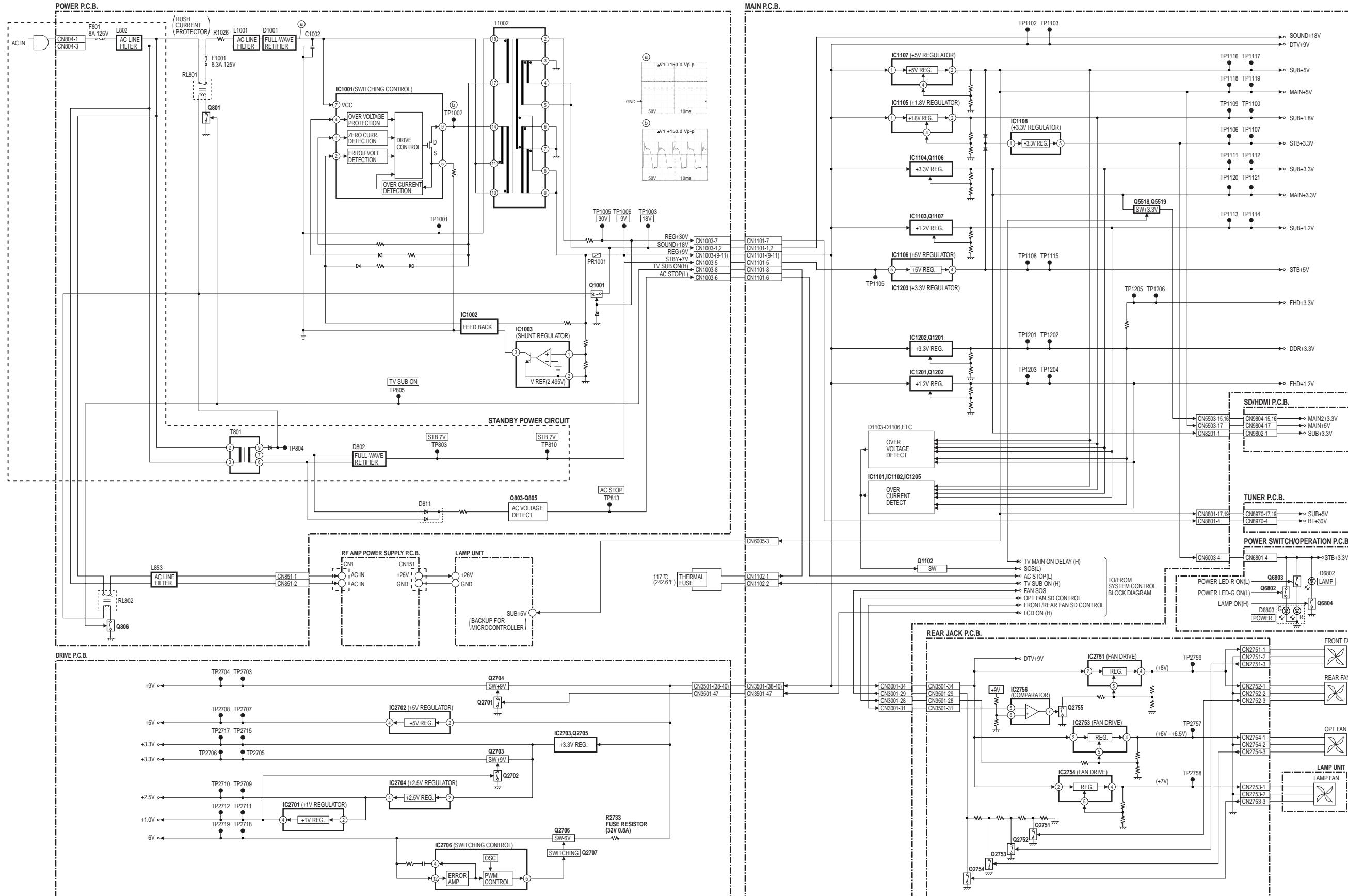
- 1) Clean the surface of the LCD Panel of the LCD/Prism Unit with an air blower or wipe with a clean, or soft cloth lightly.
- 2) If any dirt remains, lightly wipe the surface with a cotton swab moistened with pure ethyl alcohol or a lens cleaner which contains no water or oil. Use a new swab after each wiping so that dirt will not be re-deposited on the surface.

THE POLARIZER UNIT, THE INTEGRATOR 1/2, THE P/S CONVERTER,

Make sure that no dust gets on the optical components such as the Polarizer Unit, Integrator and P/S Converter. Clean these optical components with cleaning paper moistened with pure ethyl alcohol or a lens cleaner which contains no water or oil.

8 Block Diagrams

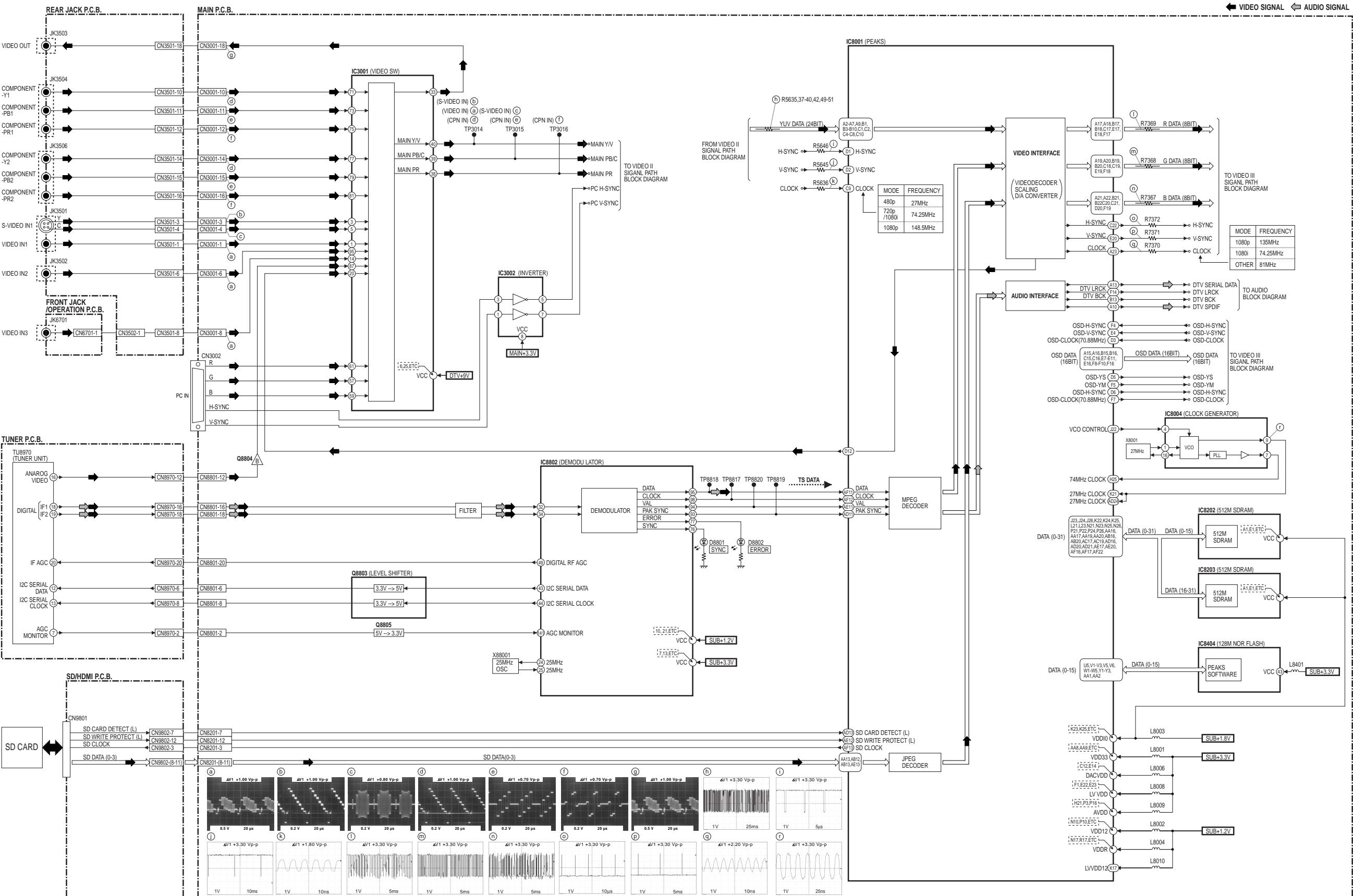
POWER SUPPLY BLOCK DIAGRAM



POWER SUPPLY BLOCK DIAGRAM

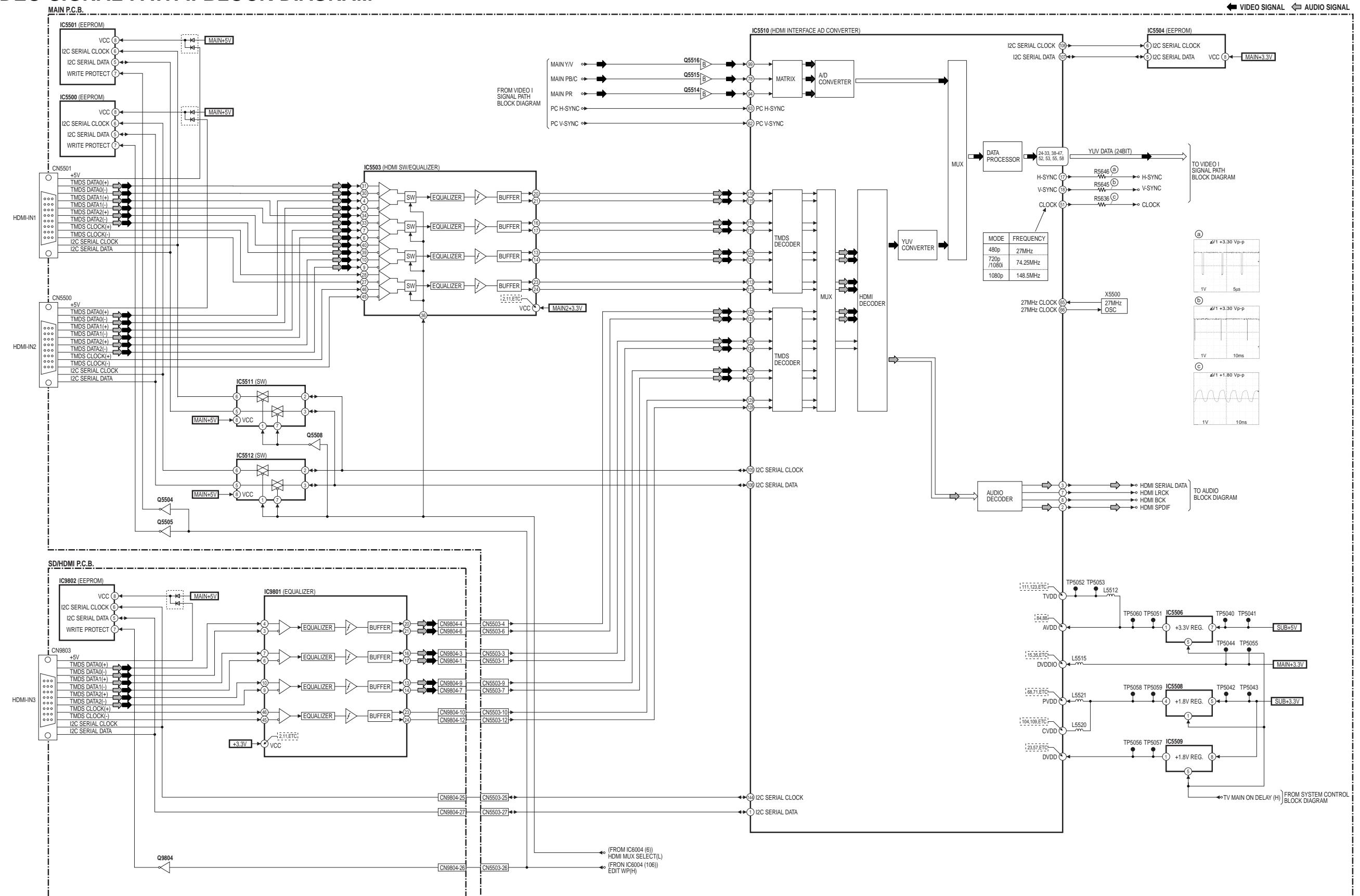
**PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT-61LCZ70-K**

VIDEO SIGNAL PATH I BLOCK DIAGRAM



VIDEO SIGNAL PATH I BLOCK DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

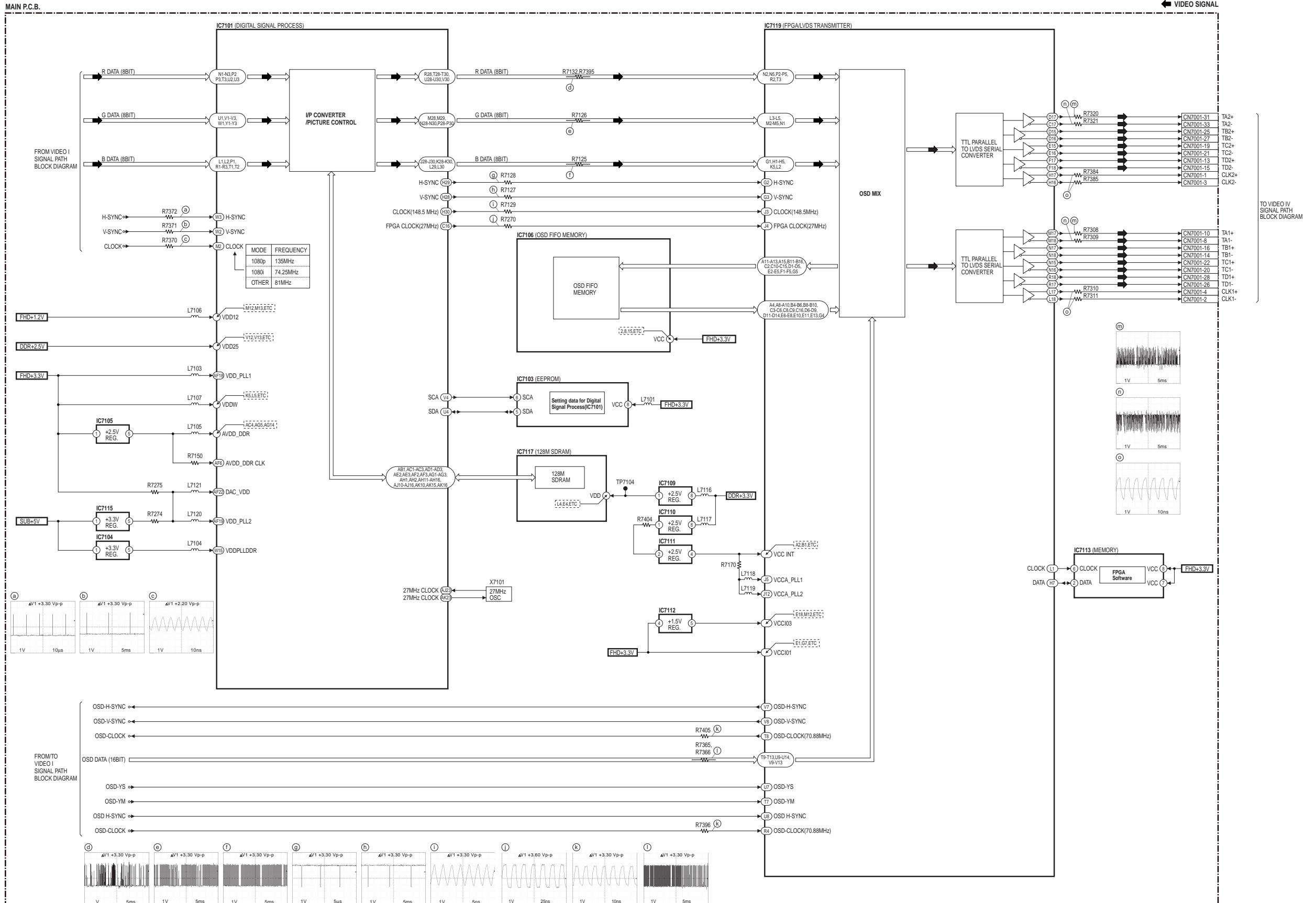
VIDEO SIGNAL PATH II BLOCK DIAGRAM



VIDEO SIGNAL PATH II BLOCK DIAGRAM

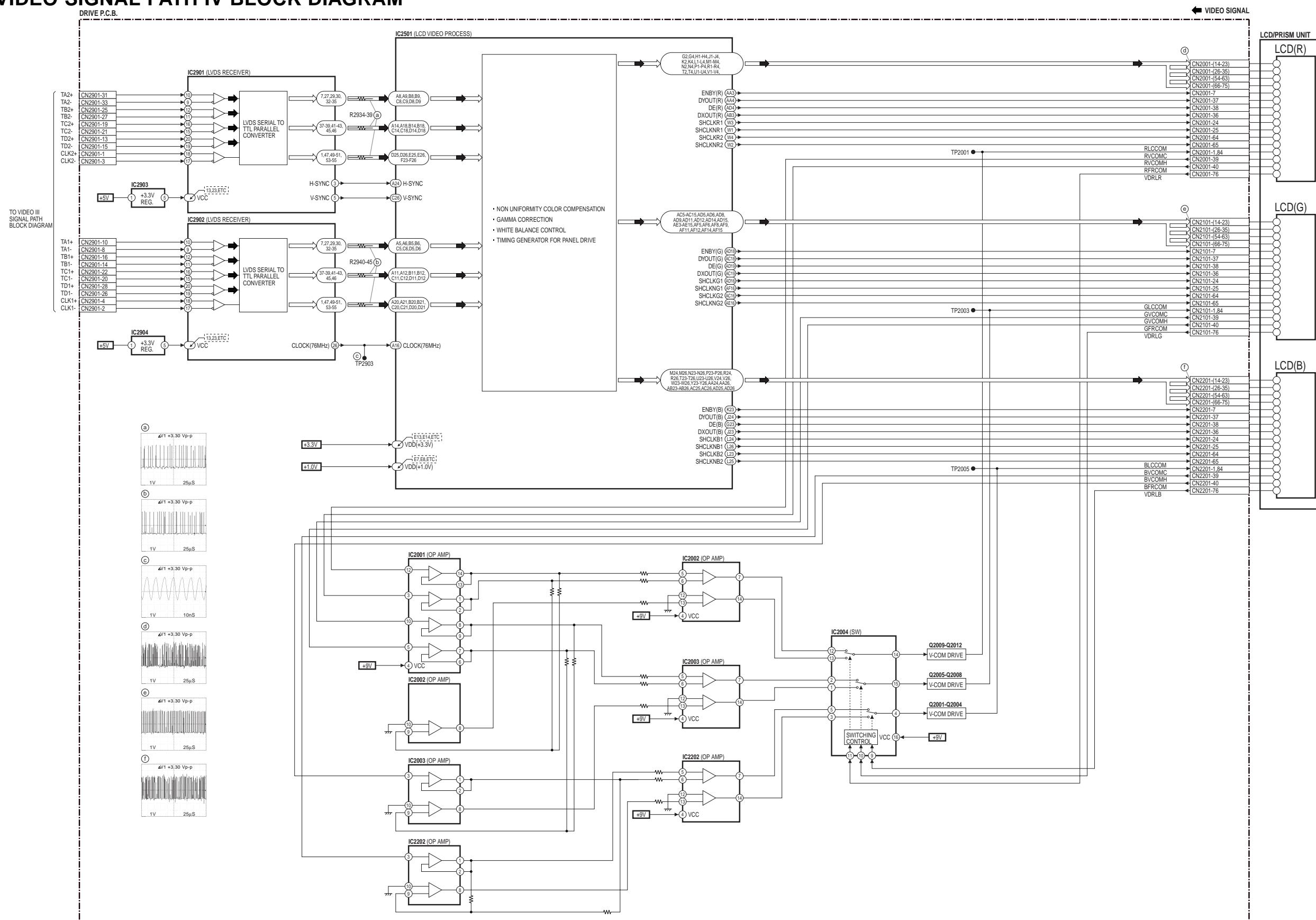
**PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT-61LCZ70-K**

VIDEO SIGNAL PATH III BLOCK DIAGRAM



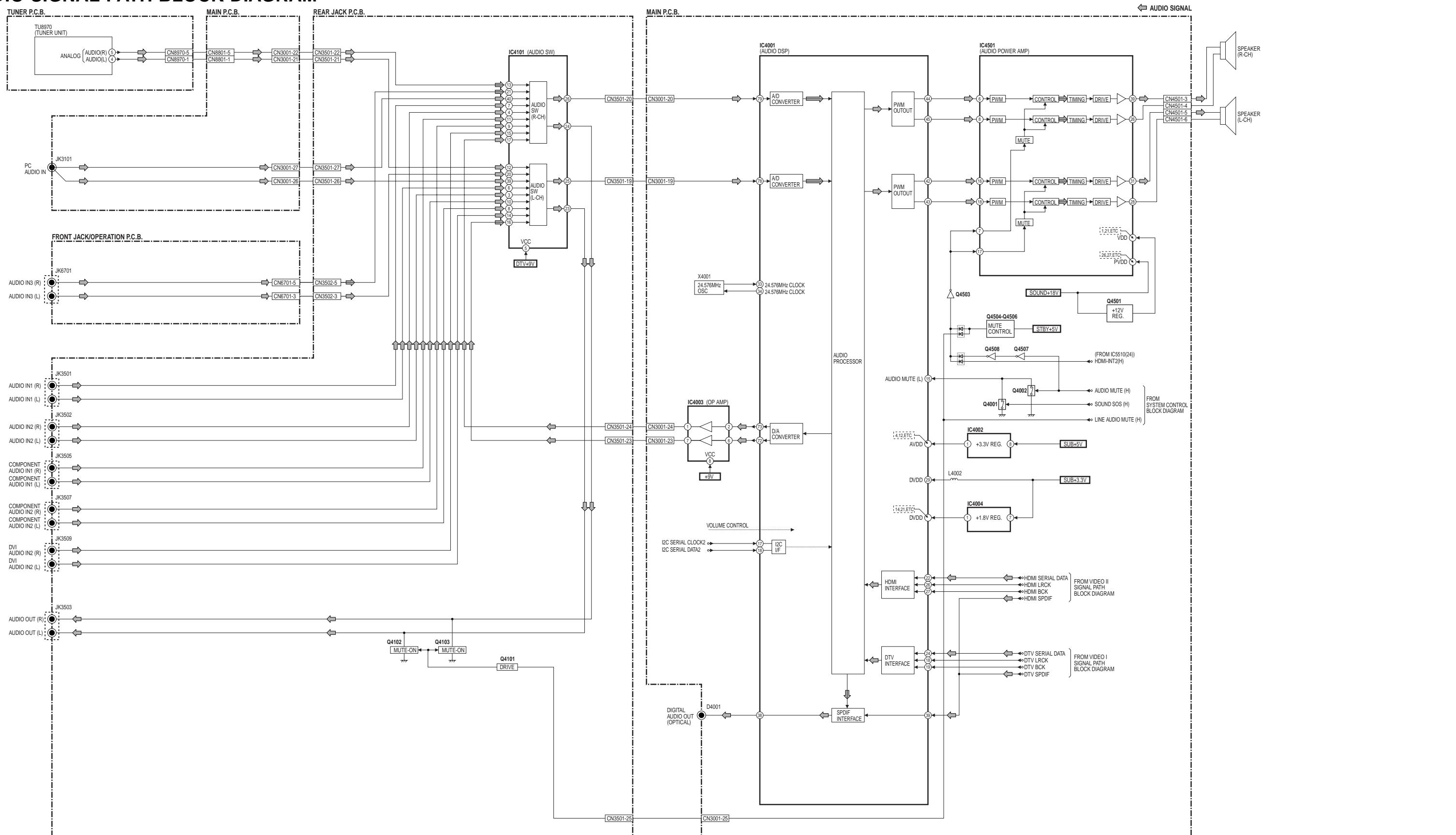
VIDEO SIGNAL PATH III BLOCK DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

VIDEO SIGNAL PATH IV BLOCK DIAGRAM



VIDEO SIGNAL PATH IV BLOCK DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

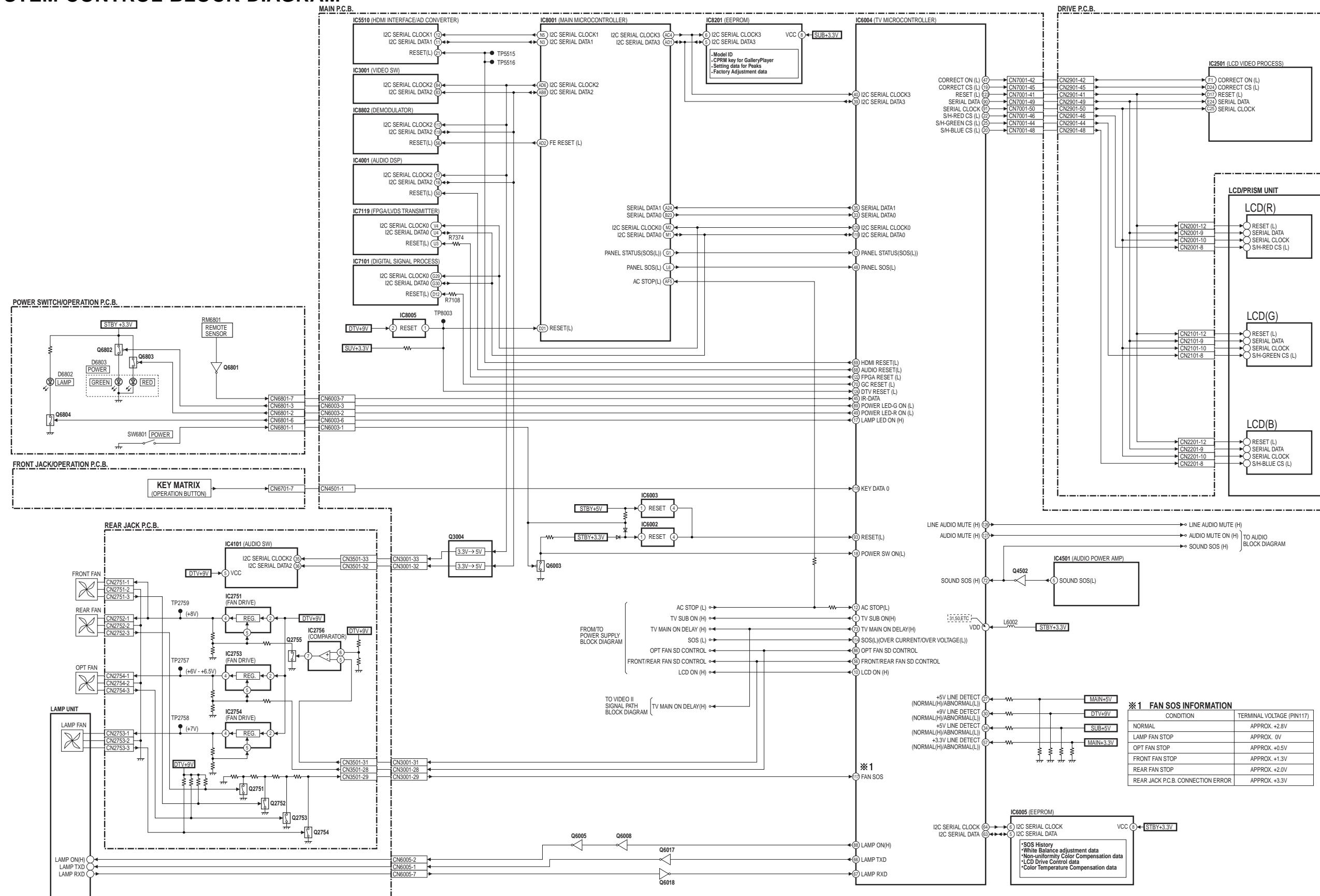
AUDIO SIGNAL PATH BLOCK DIAGRAM



AUDIO SIGNAL PATH BLOCK DIAGRAM

PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

SYSTEM CONTROL BLOCK DIAGRAM



SYSTEM CONTROL BLOCK DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

9 Schematic Diagrams

9.1. SCHEMATIC DIAGRAM & CIRCUIT BOARD LAYOUT NOTES

1. Important safety notice

Components identified by the sign  have special characteristics important for safety. When replacing any of these components. Use only the specified parts.

2. Do not use the part number shown on this drawing for ordering.

The correct part number and part value is shown in the parts list, and may be slightly different or amended since this drawing was prepared.

3. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

4. Parts different in shape or size may be used.

However, only interchangeable parts will be supplied as service replacement parts.

5. Test point information

 : Test point with a jumper wire across a hole in P.C.B.

 : Test point with no test pin.

Schematic Diagram Notes

1. Indication for Zener Voltage of Zener Diodes

The Zener Voltage of Zener Diodes are indicated as such on Schematic Diagrams.

Example:

(6.2V).....Zener Voltage

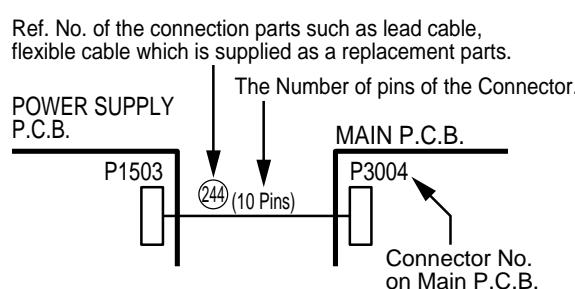
2. How to identify Connectors

Each connector is labeled with a Connector No. and Pin No. Indicating what it is connected to, in other words, its counter part.

Use the interconnection schematic diagram to find the connection between associated connectors.

Example:

The connections between P.C.B.s are shown below.



3. Parts marked "PT" are not used in any models included in this service model.

Example: 

4. Jumper wires are used for WA10, WA5 etc and these are not supplied as replacement parts.

Circuit Board Layout Note

Circuit Board Layout shows components installed for various models.

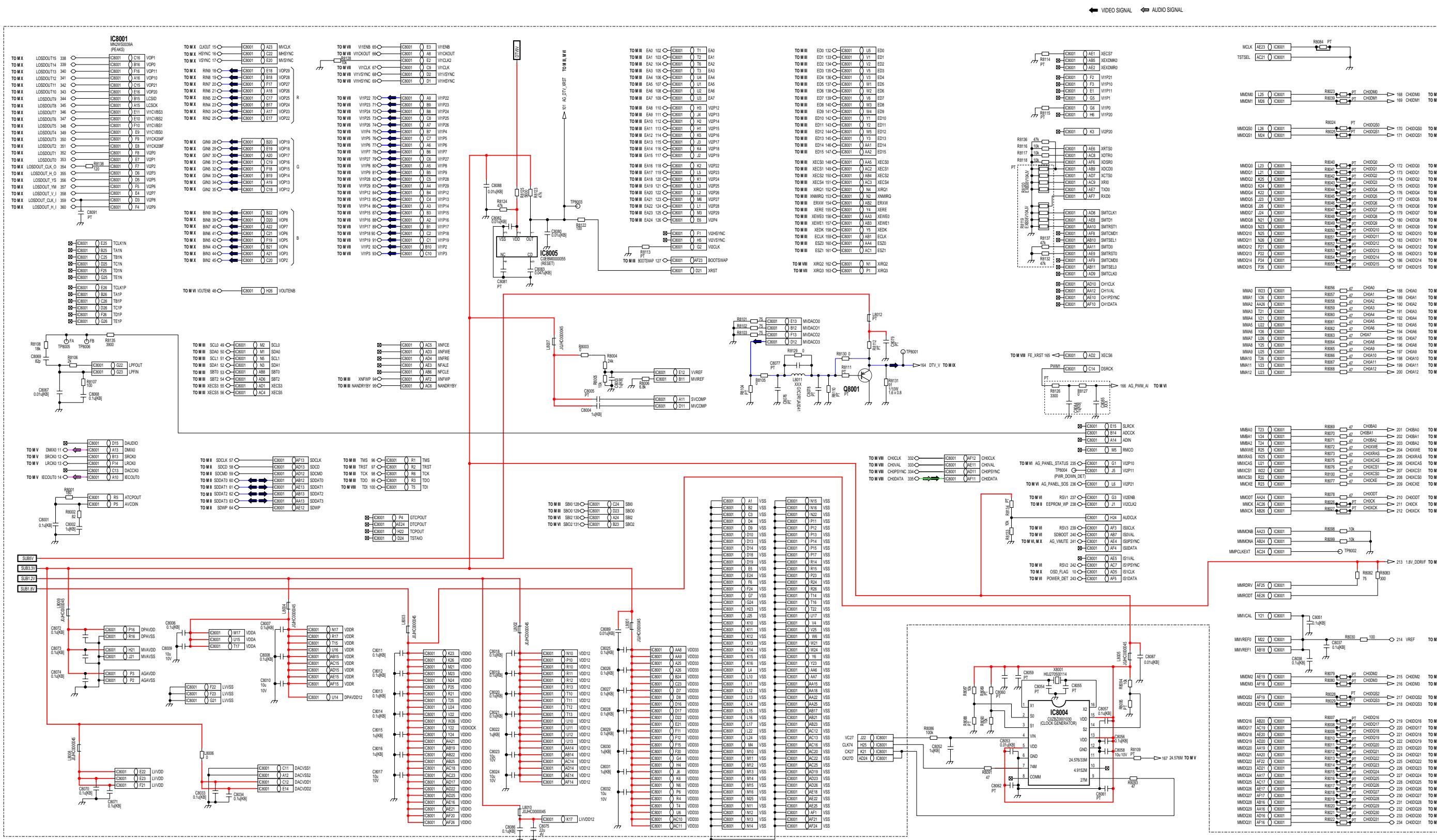
For proper parts content for the model you are servicing, please refer to the schematic diagram and parts list.

NOTE:

Circuit Board Layout includes components which are not used.

9.2. MAIN SCHEMATIC DIAGRAMS

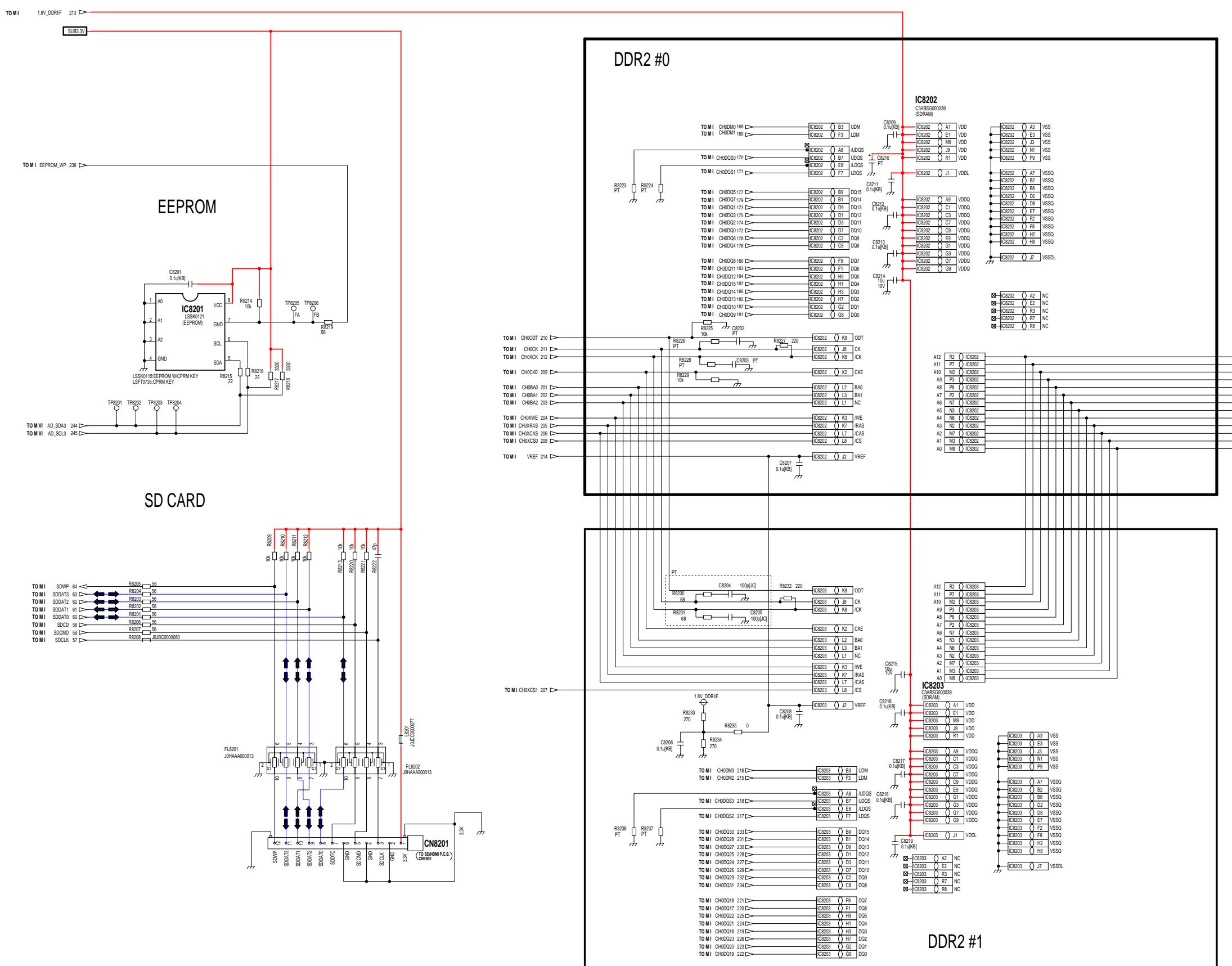
MAIN I SCHEMATIC DIAGRAM



MAIN I SCHEMATIC DIAGRAM

PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

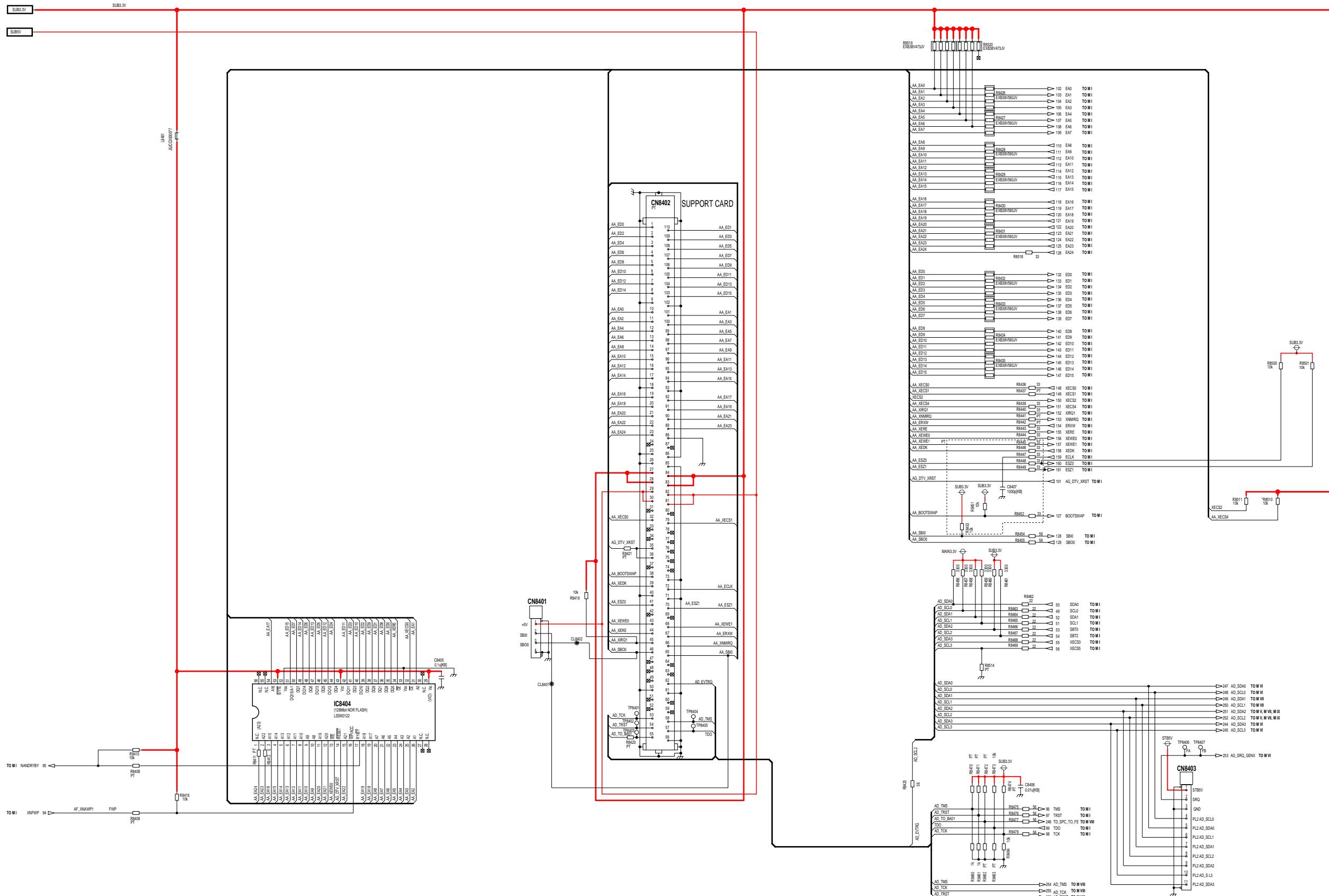
MAIN II SCHEMATIC DIAGRAM



DDR2 #1

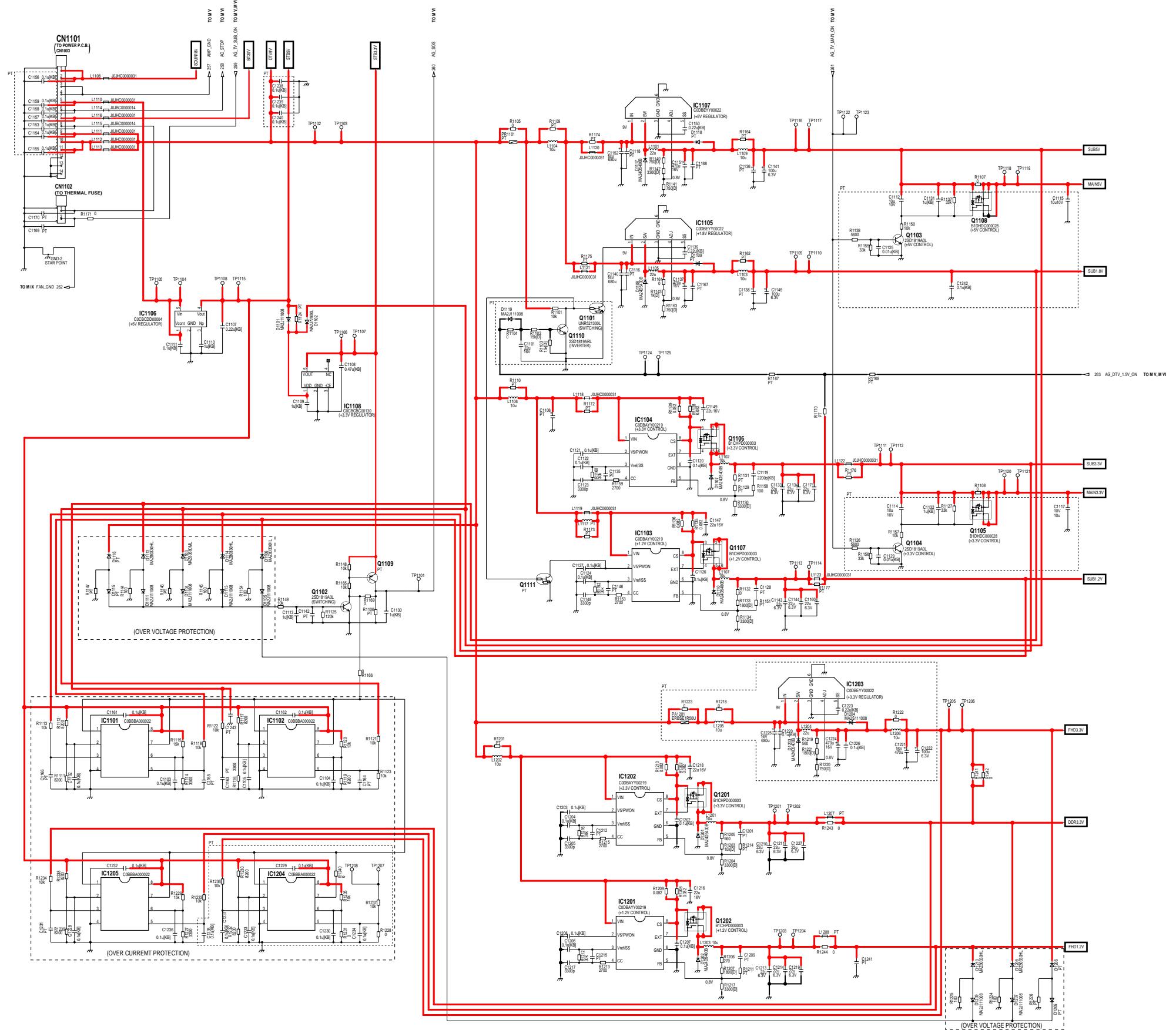
MAIN II SCHEMATIC DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ7-K/PT-56LCZ7-K/PT61LCZ70-K

MAIN III SCHEMATIC DIAGRAM



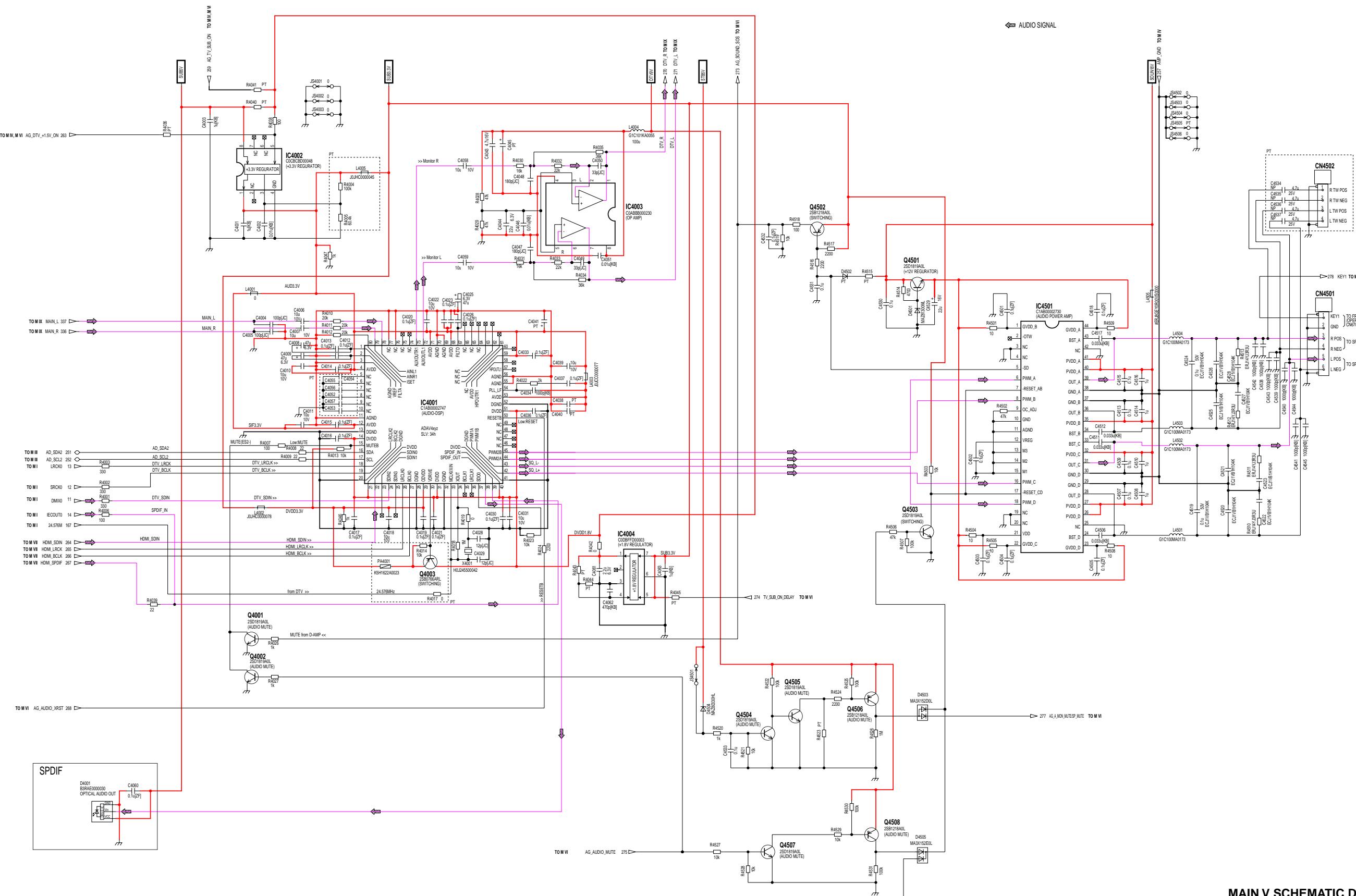
MAIN III SCHEMATIC DIAGRAM
**PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT-61LCZ70-K**

MAIN IV SCHEMATIC DIAGRAM



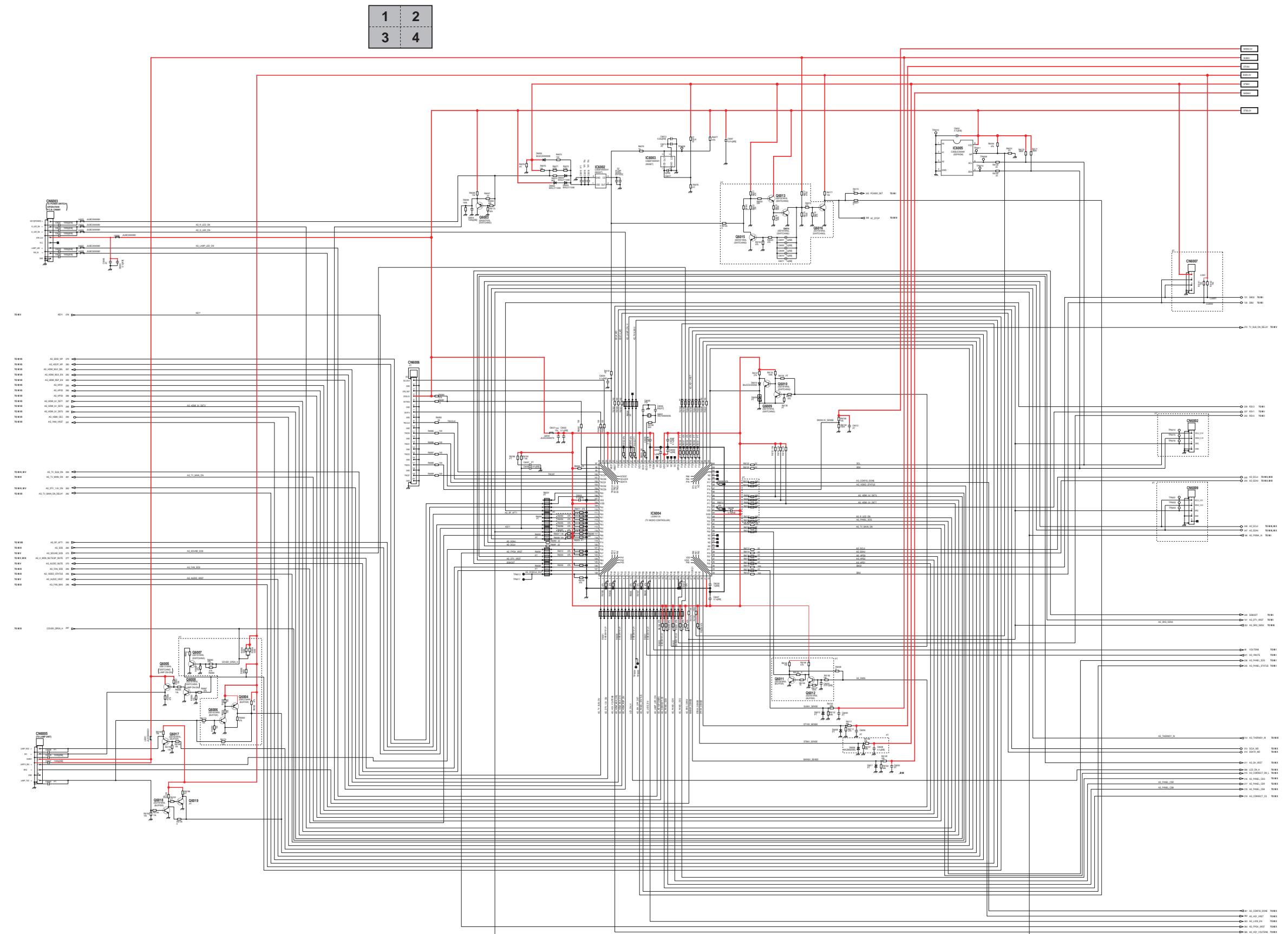
MAIN IV SCHEMATIC DIAGRAM
**PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K**

MAIN V SCHEMATIC DIAGRAM



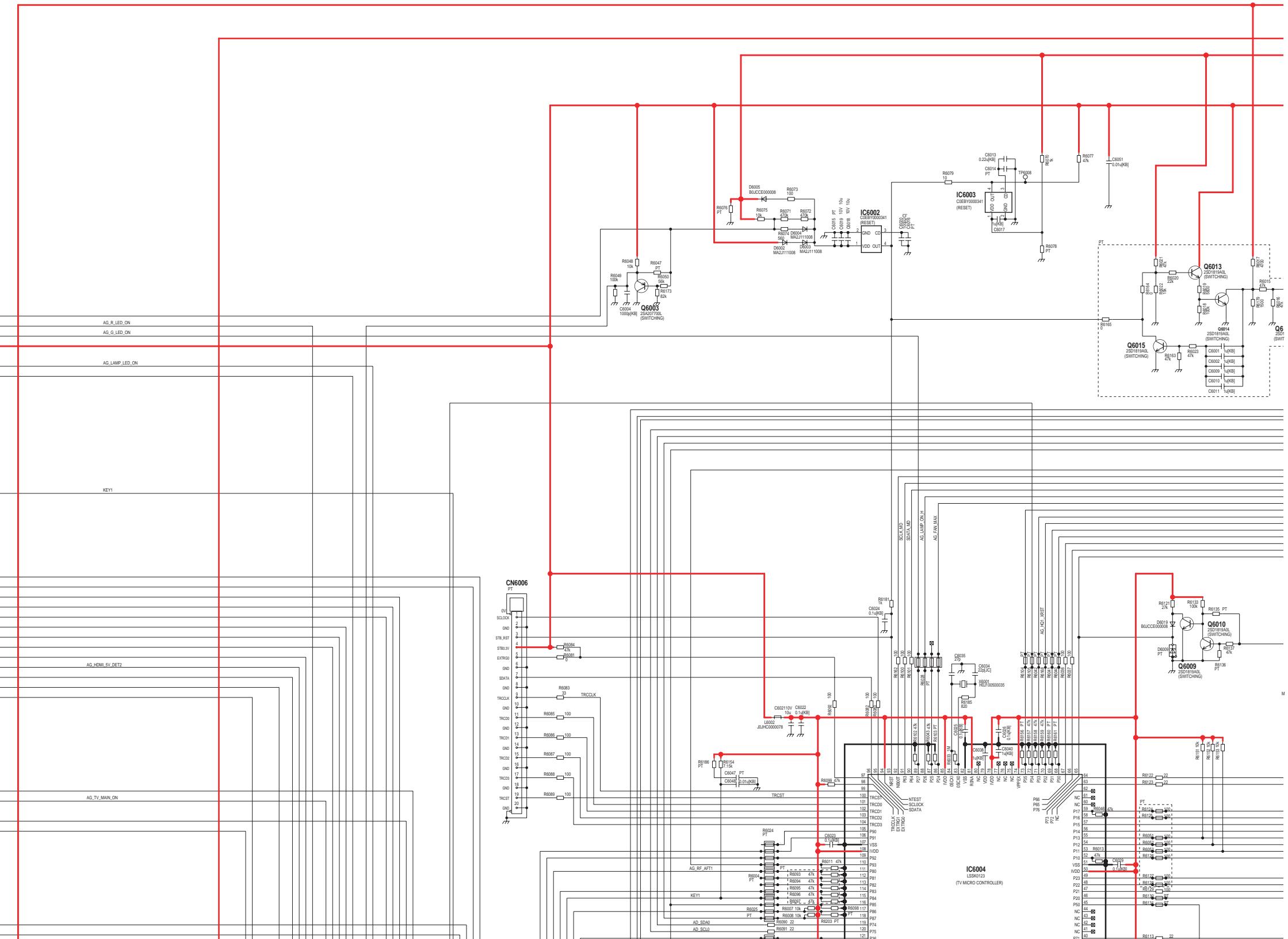
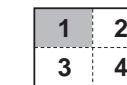
MAIN V SCHEMATIC DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

MAIN VI SCHEMATIC DIAGRAM

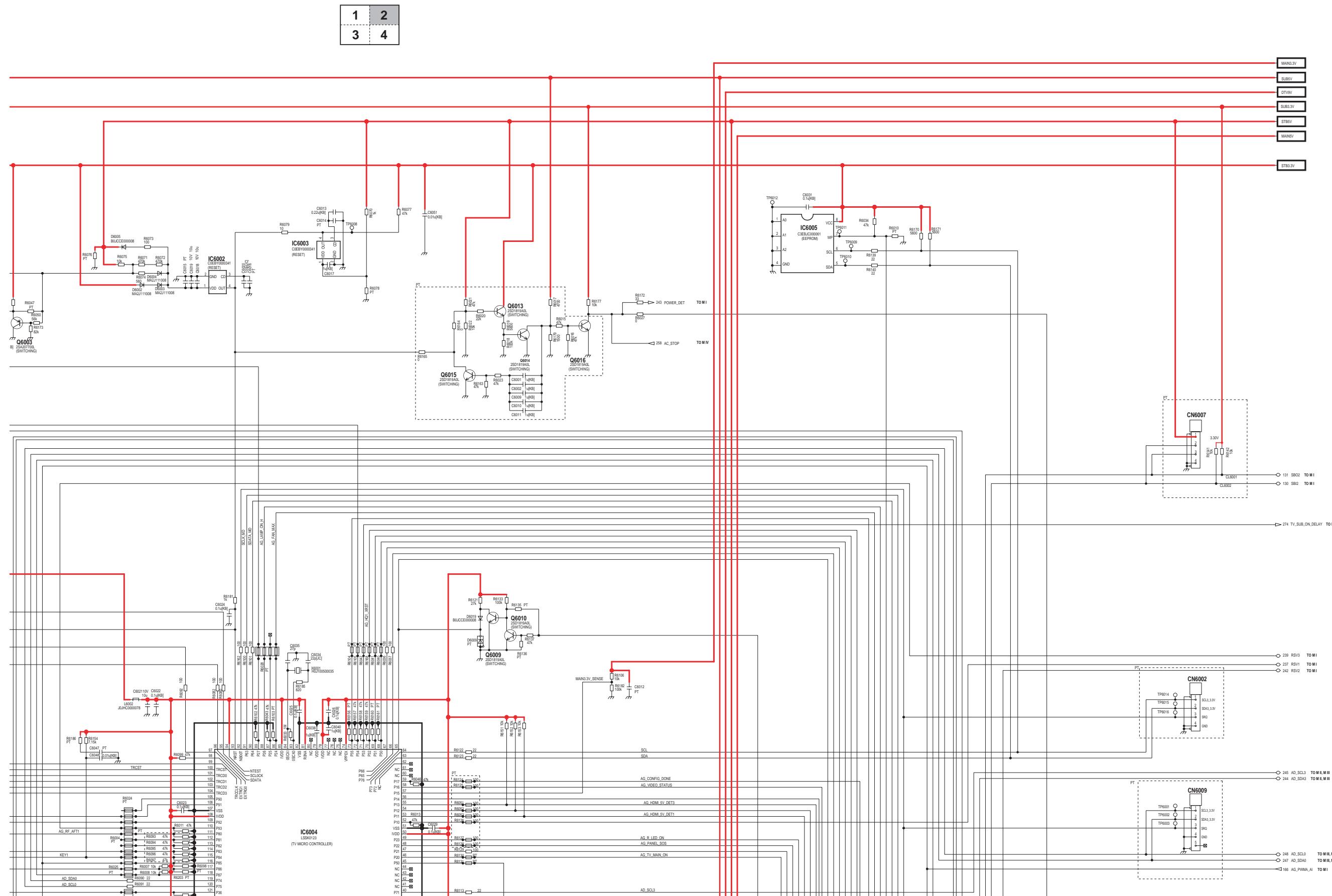


MAIN VI SCHEMATIC DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

MAIN VI SCHEMATIC DIAGRAM

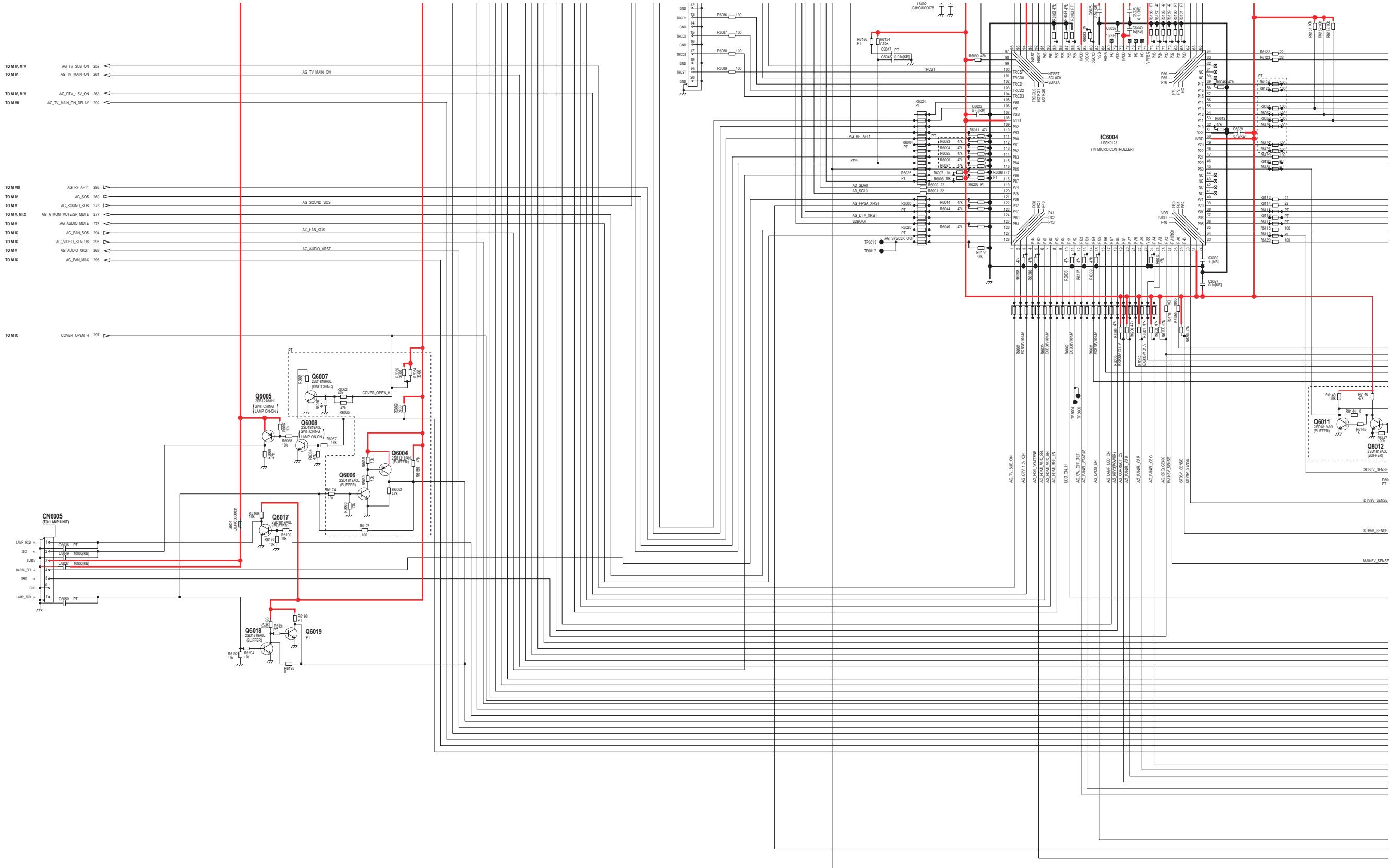


MAIN VI SCHEMATIC DIAGRAM

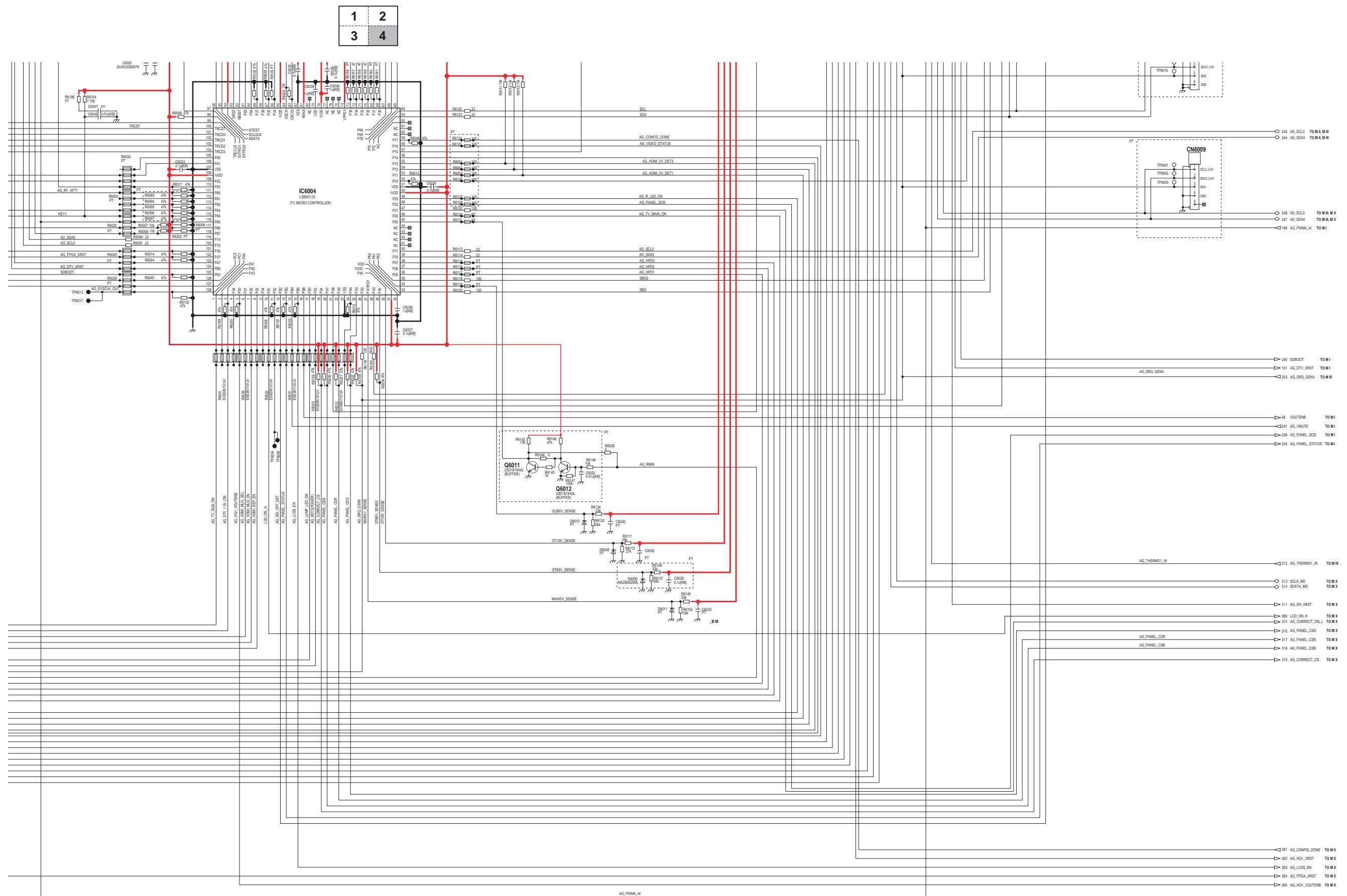


MAIN VI SCHEMATIC DIAGRAM

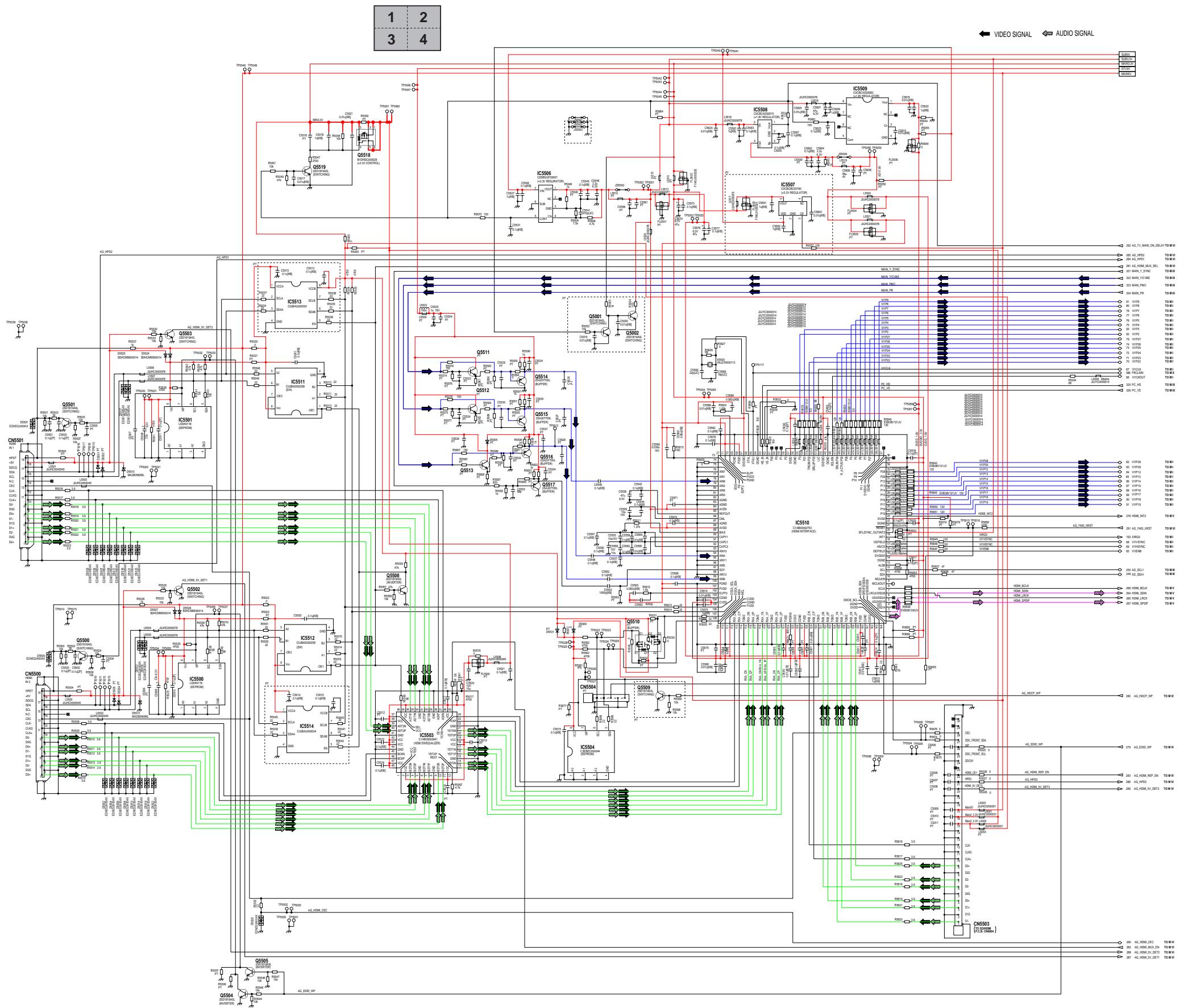
1	2
3	4



MAIN VI SCHEMATIC DIAGRAM

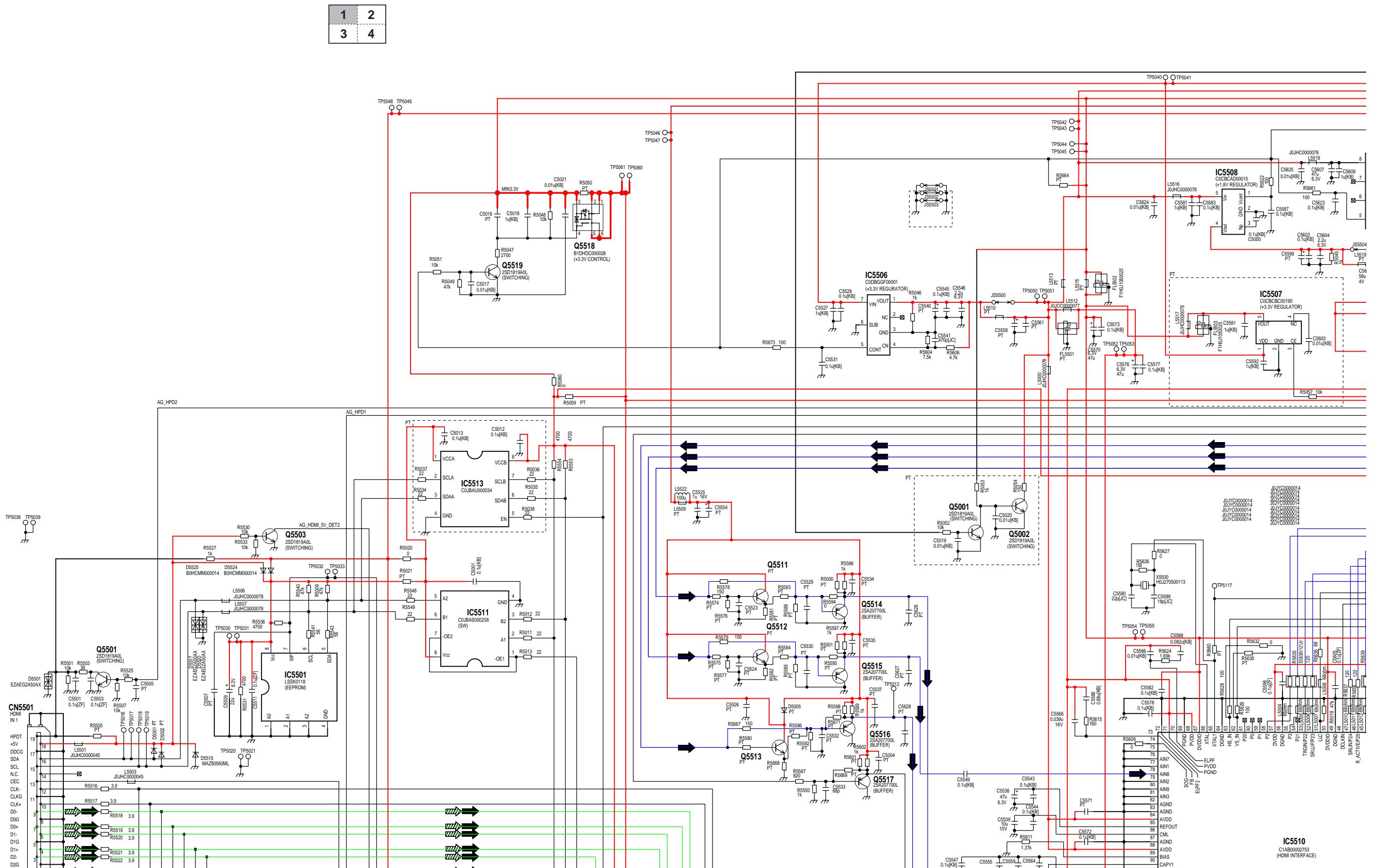


MAIN VII SCHEMATIC DIAGRAM



MAIN VII SCHEMATIC DIAGRAM
**PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K**

MAIN VII SCHEMATIC DIAGRAM

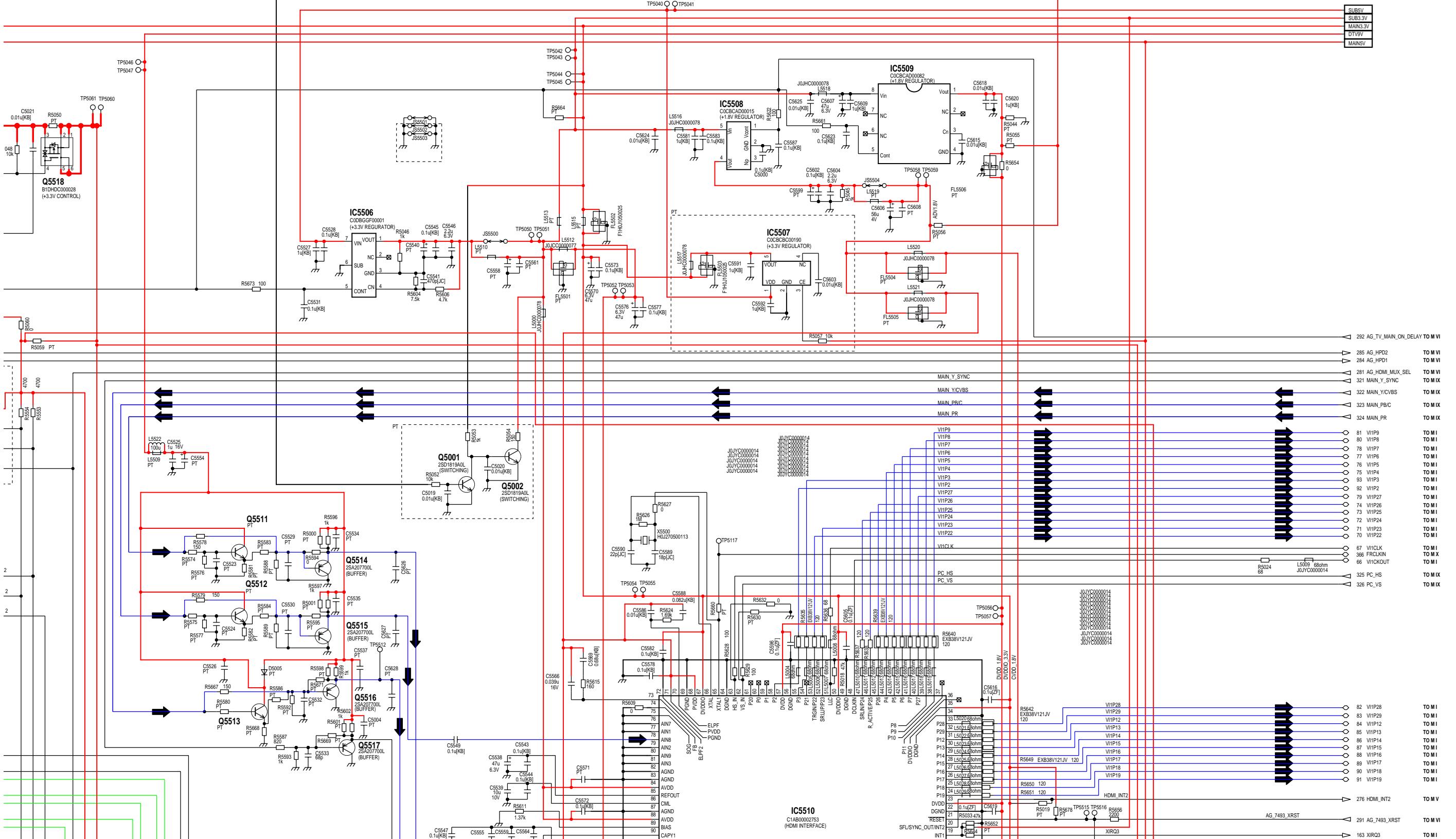


MAIN VII SCHEMATIC DIAGRAM

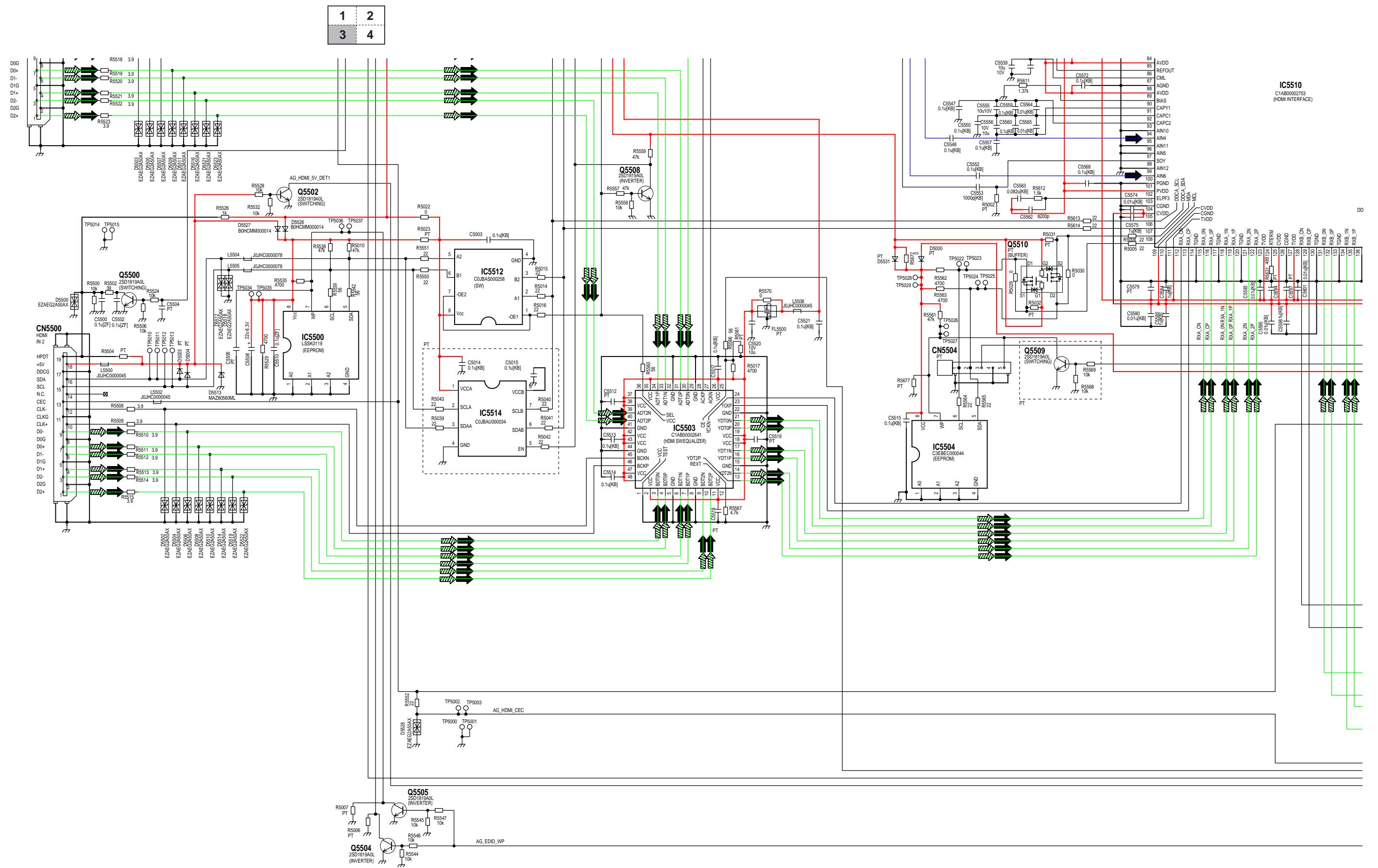
1	2
3	4

 VIDEO SIGNAL AUDIO SIGNAL

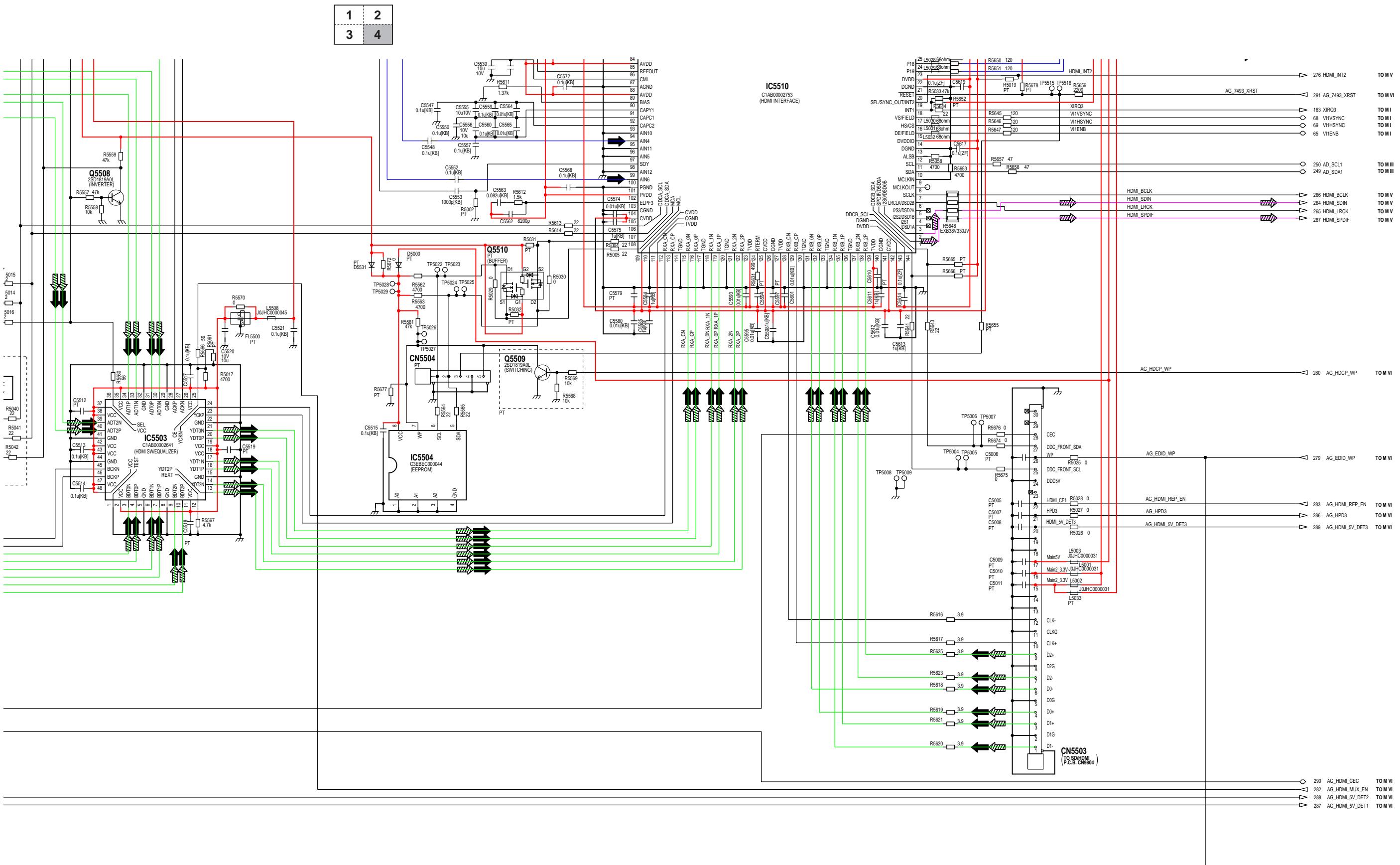
ANALOGUE INPUT



MAIN VII SCHEMATIC DIAGRAM

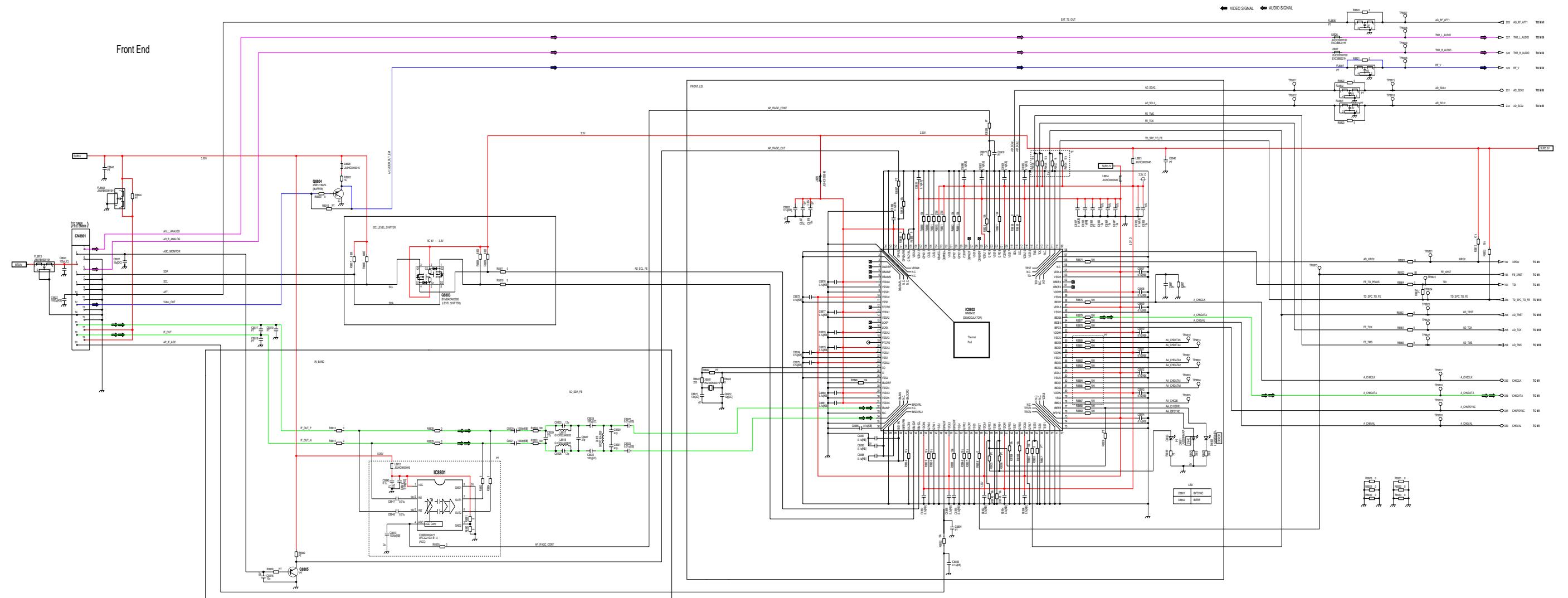


MAIN VII SCHEMATIC DIAGRAM



MAIN VIII SCHEMATIC DIAGRAM

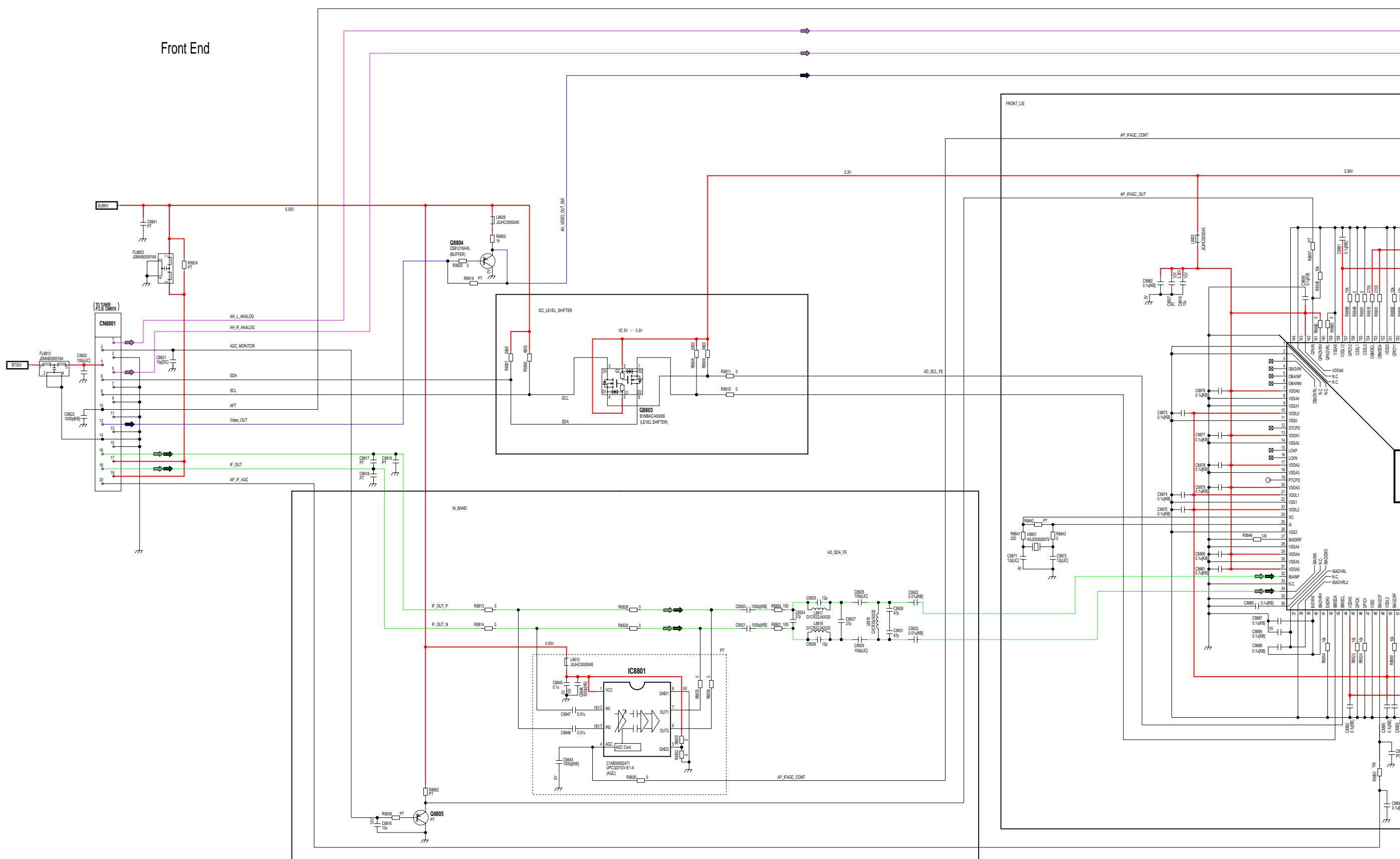
1 2



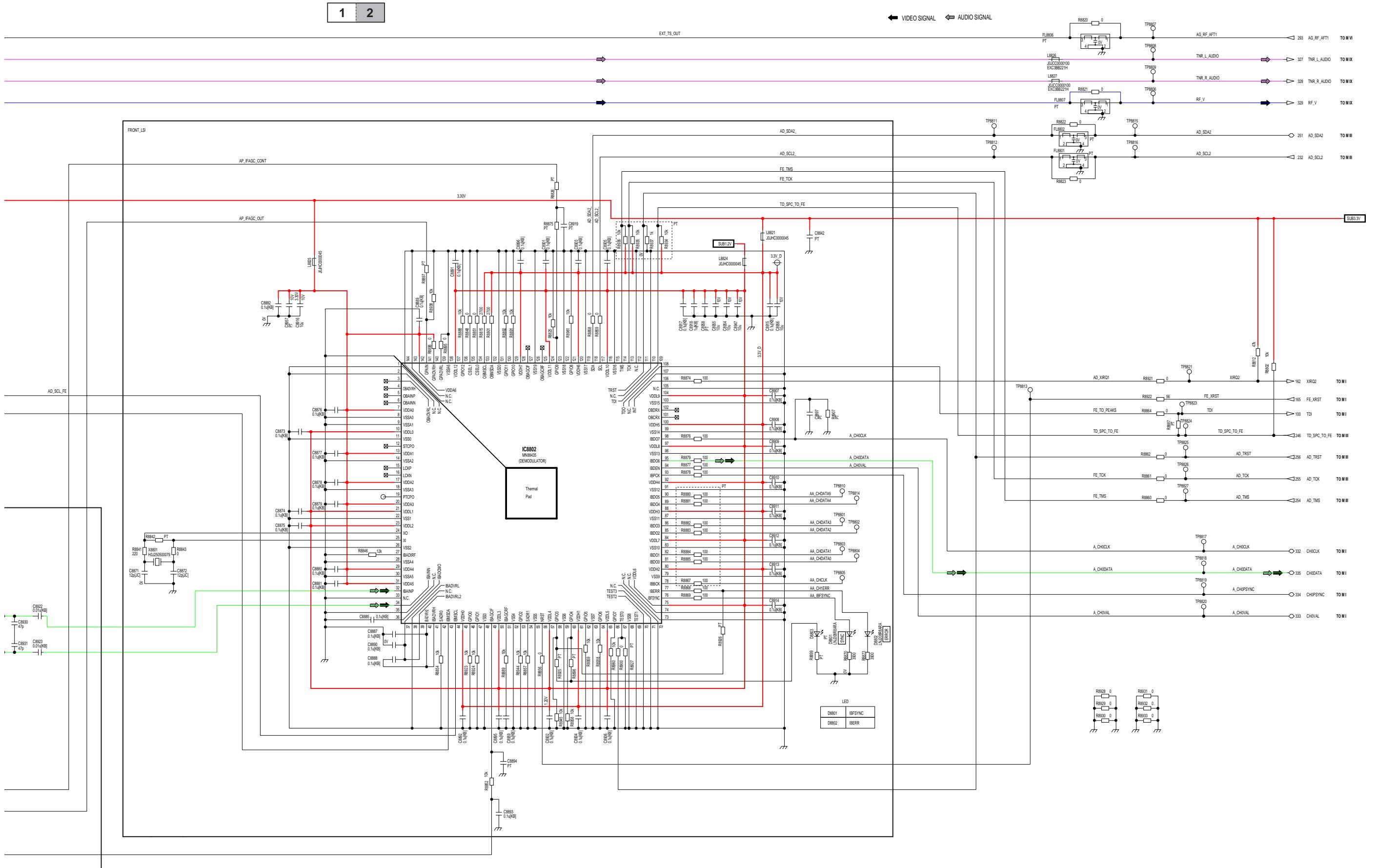
MAIN VIII SCHEMATIC DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

MAIN VIII SCHEMATIC DIAGRAM

1 2

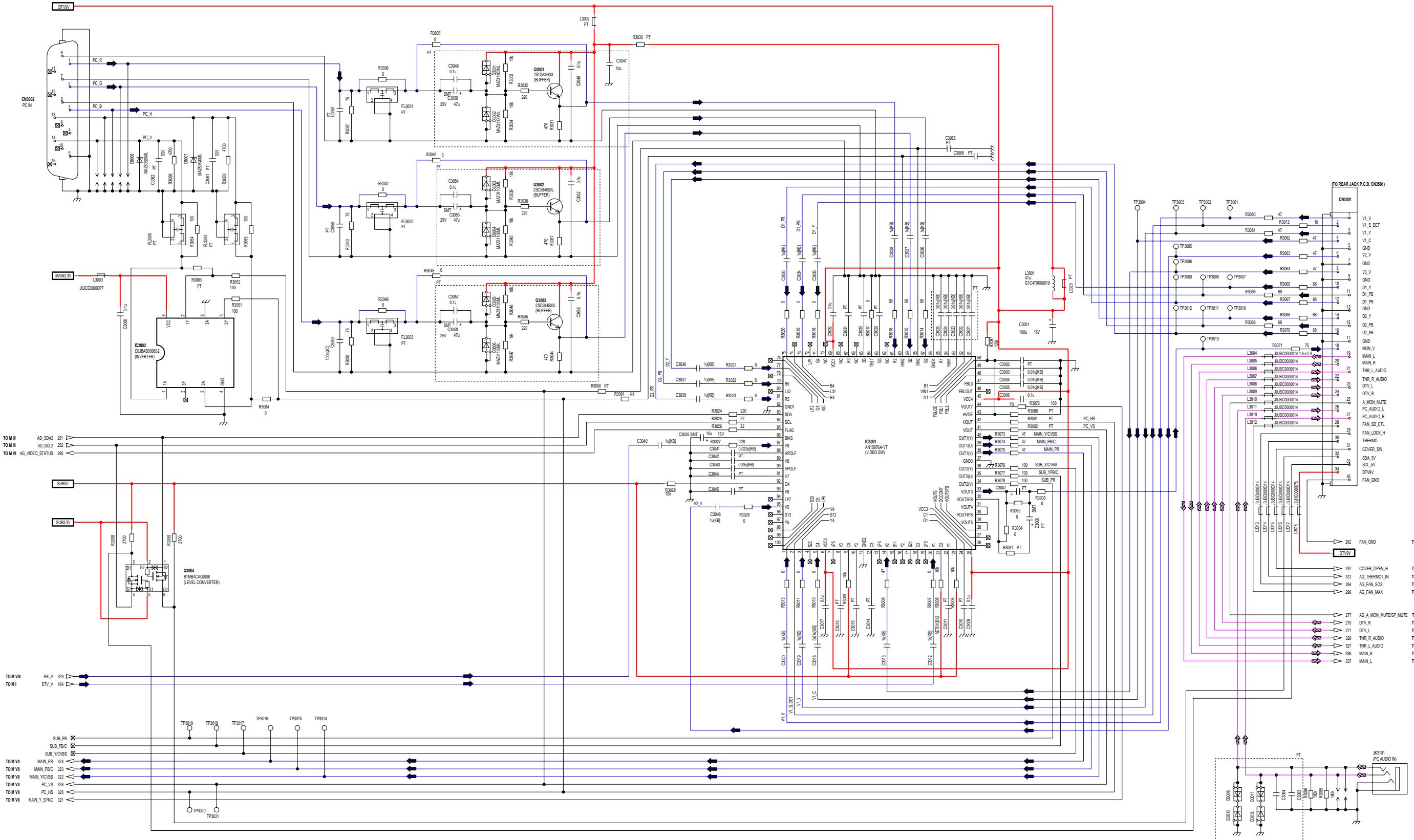


MAIN VIII SCHEMATIC DIAGRAM



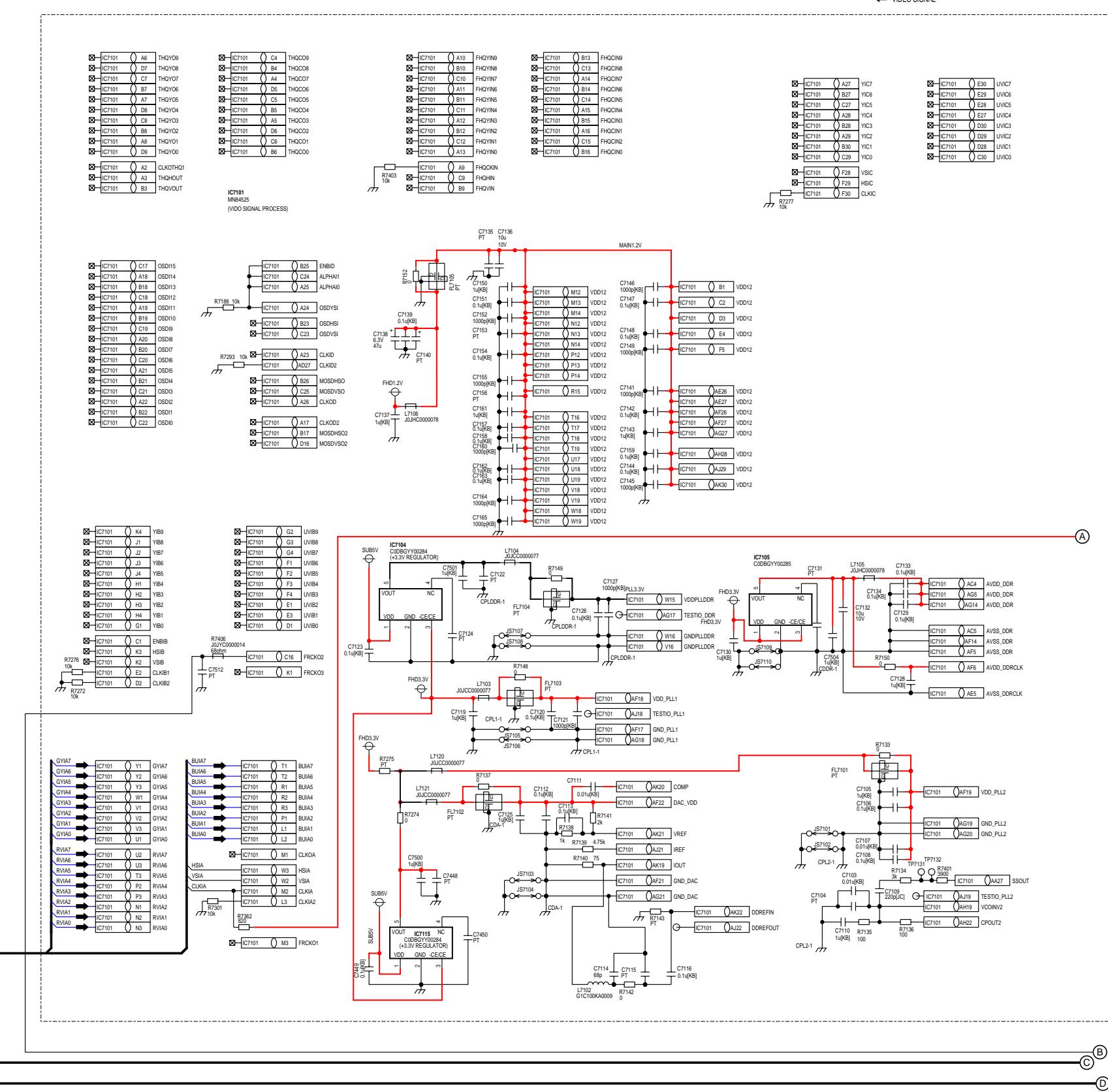
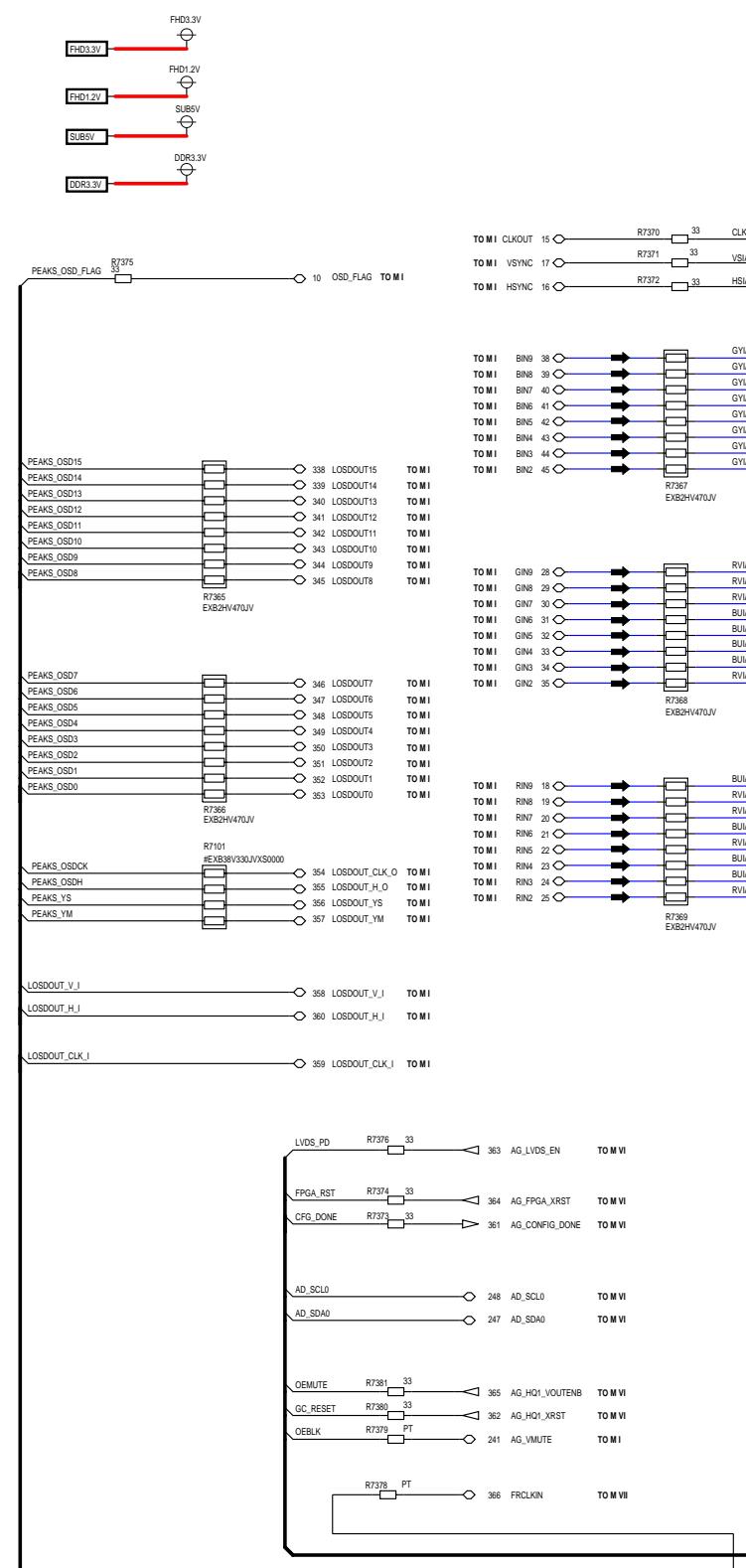
MAIN IX SCHEMATIC DIAGRAM

 VIDEO SIGNAL AUDIO SIGNAL

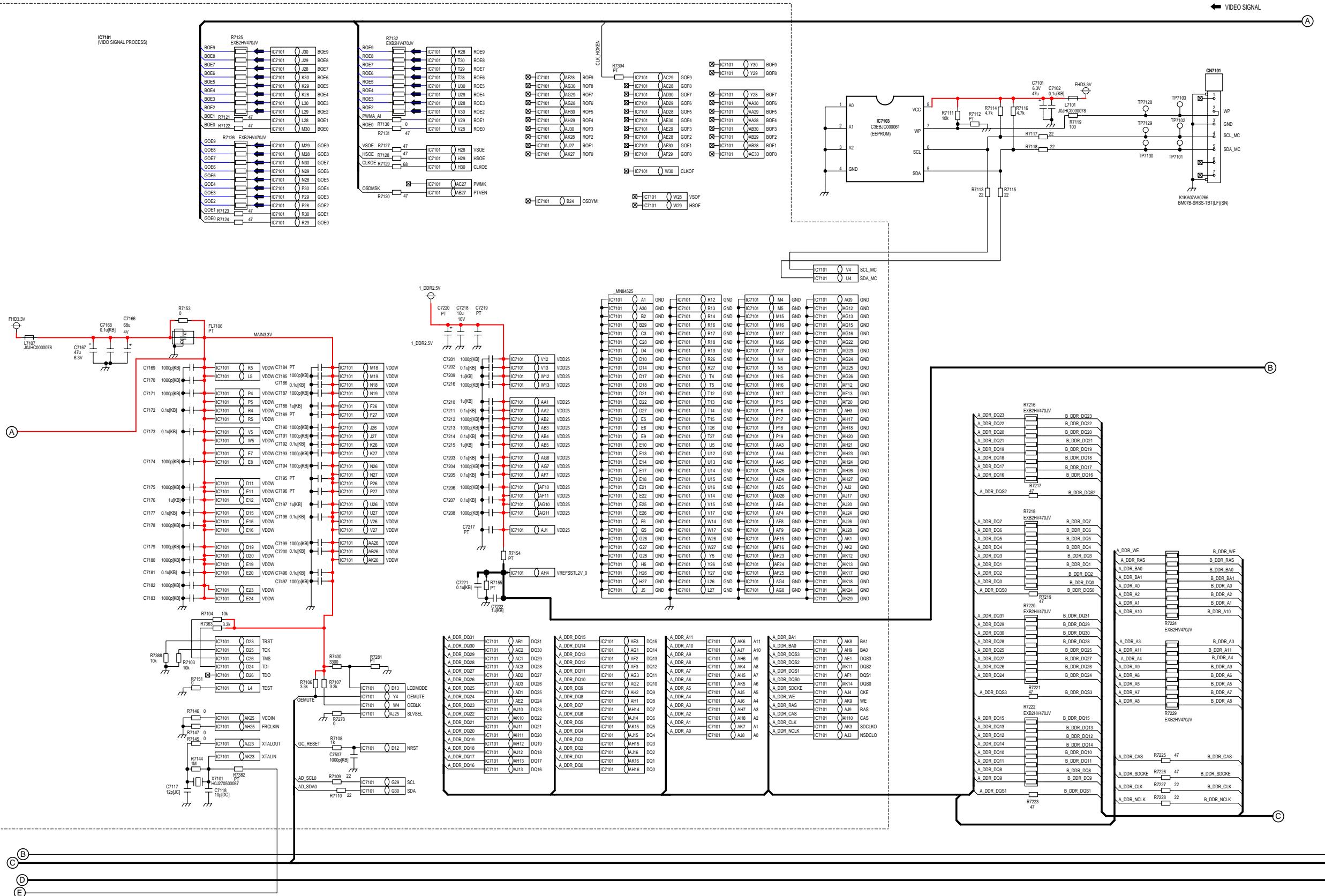


MAIN IX SCHEMATIC DIAGRAM
**PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K**

MAIN X SCHEMATIC DIAGRAM (1/4)

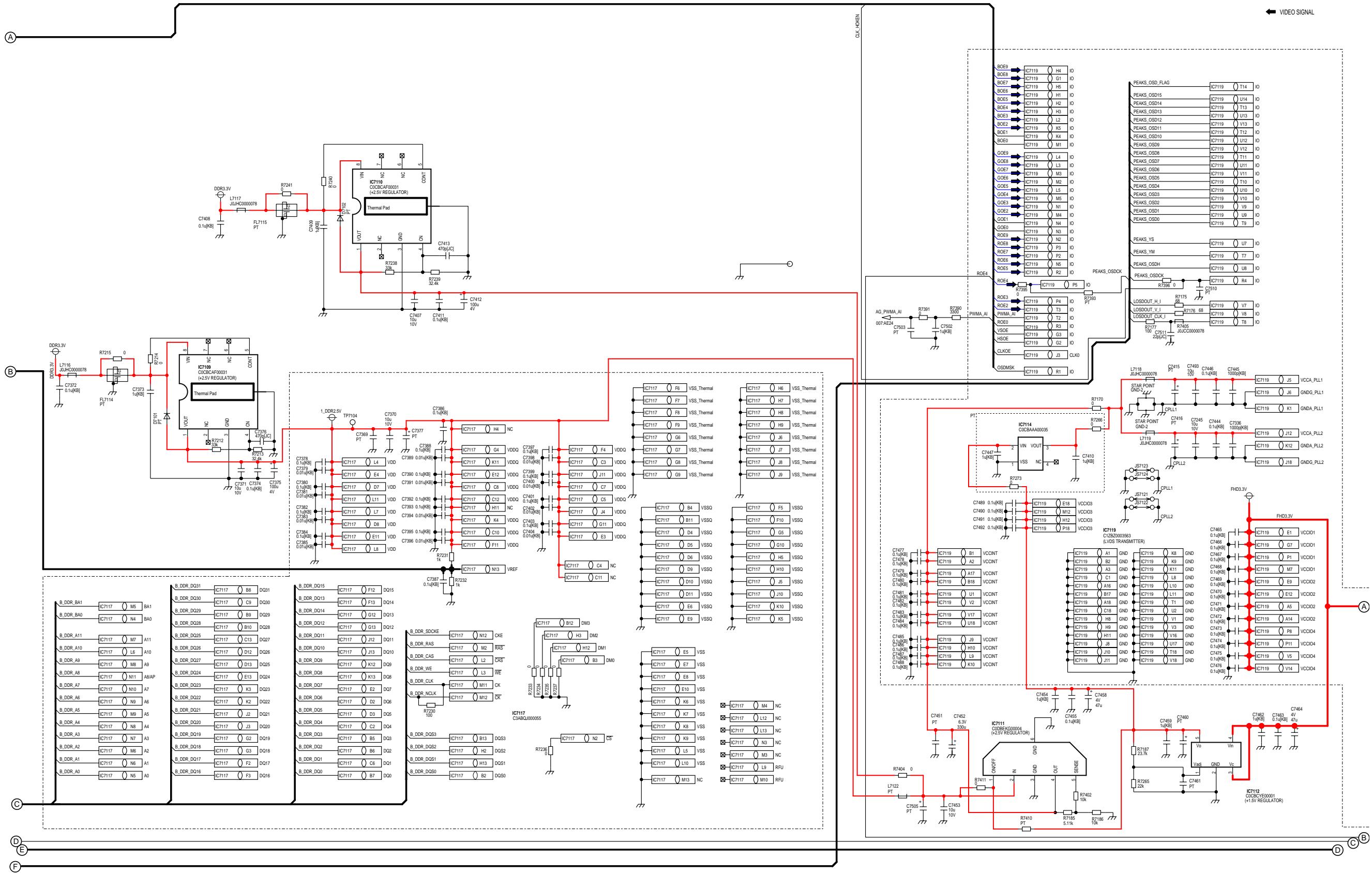
MAIN X SCHEMATIC DIAGRAM (1/4)
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ7-K/PT-56LCZ7-K/PT61LCZ70-K

MAIN X SCHEMATIC DIAGRAM (2/4)



MAIN X SCHEMATIC DIAGRAM (2/4)
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

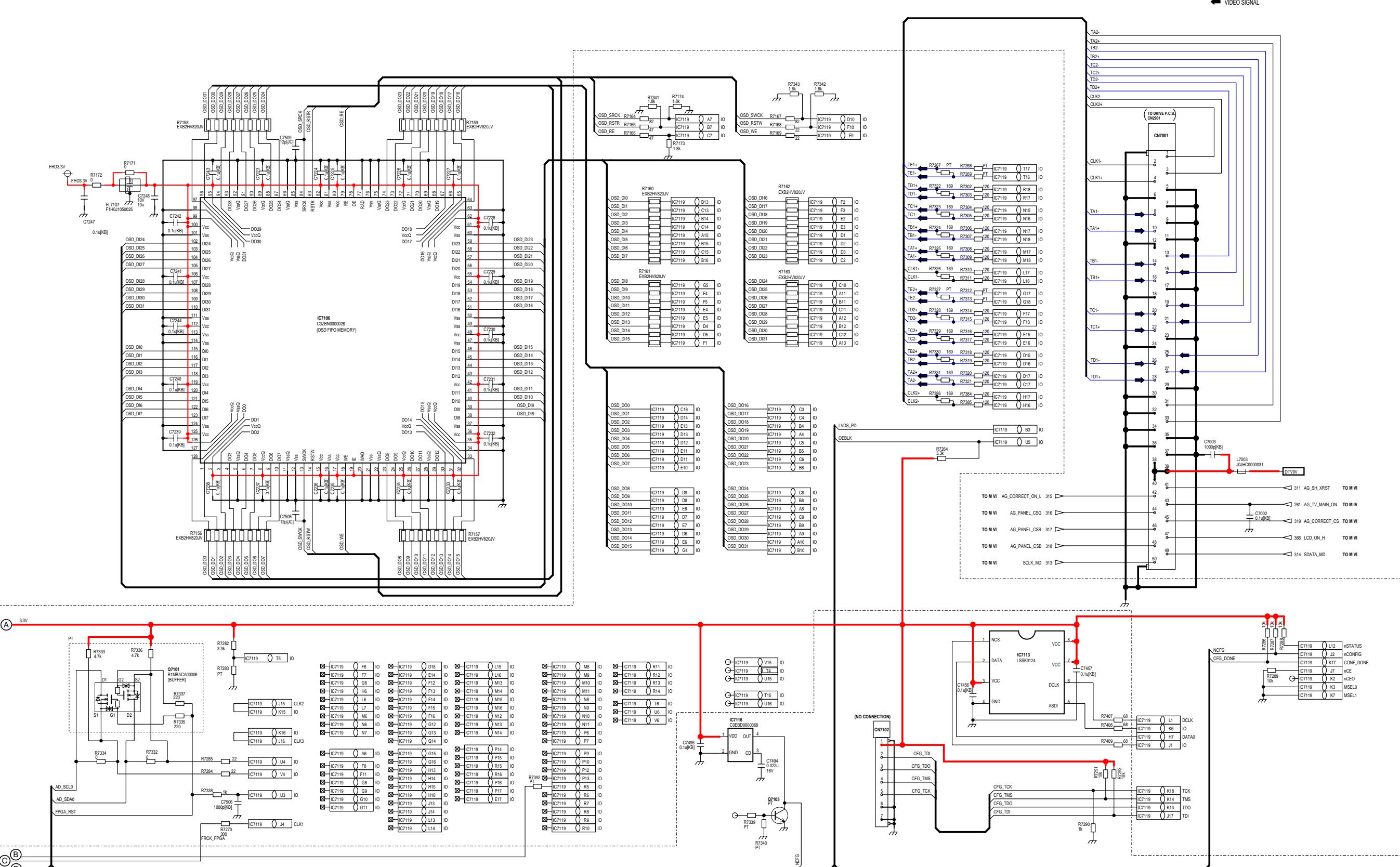
MAIN X SCHEMATIC DIAGRAM (3/4)



MAIN X SCHEMATIC DIAGRAM (3/4)

**PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K**

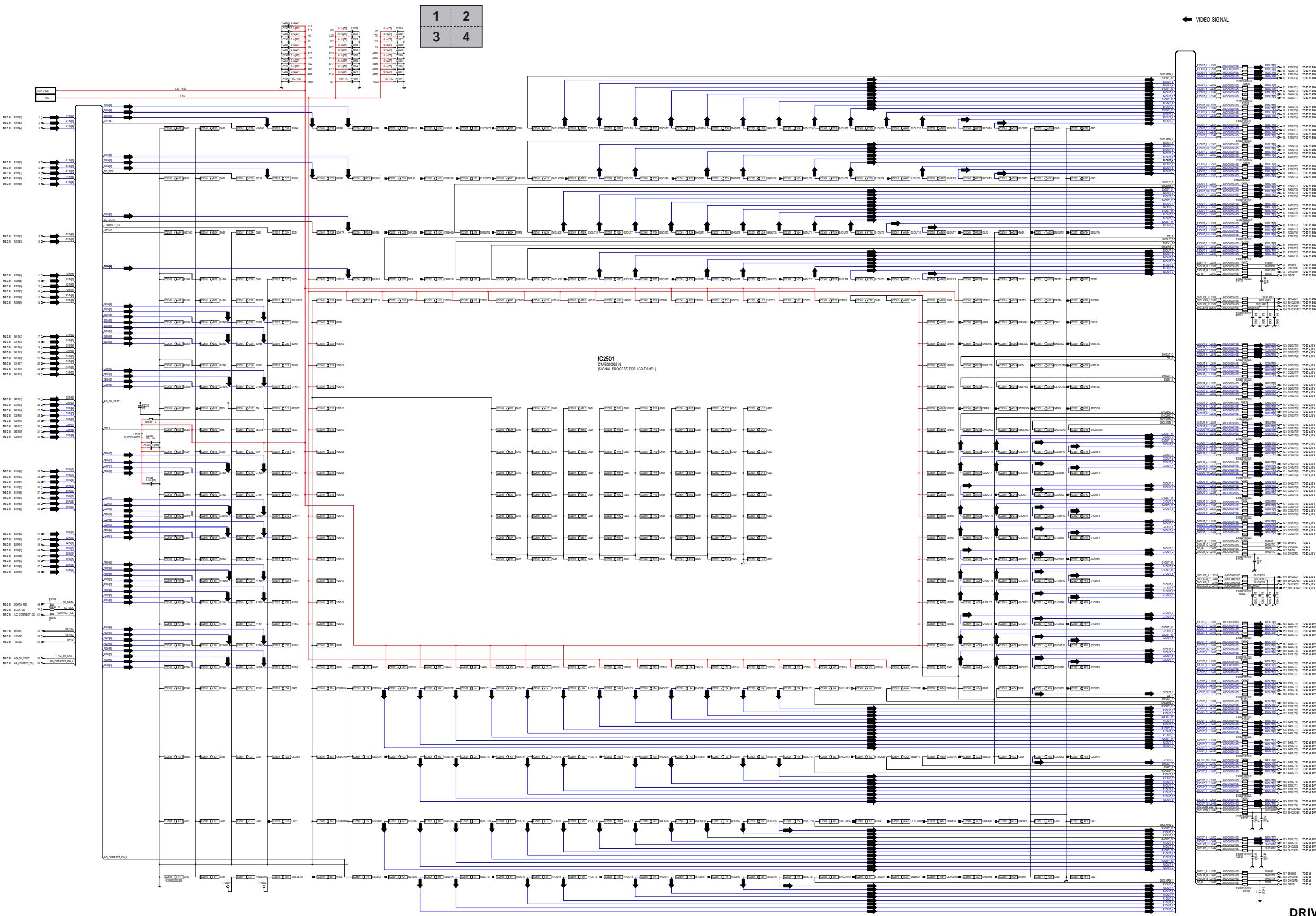
MAIN X SCHEMATIC DIAGRAM (4/4)



MAIN X SCHEMATIC DIAGRAM (4/4)
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT-61LCZ70-K

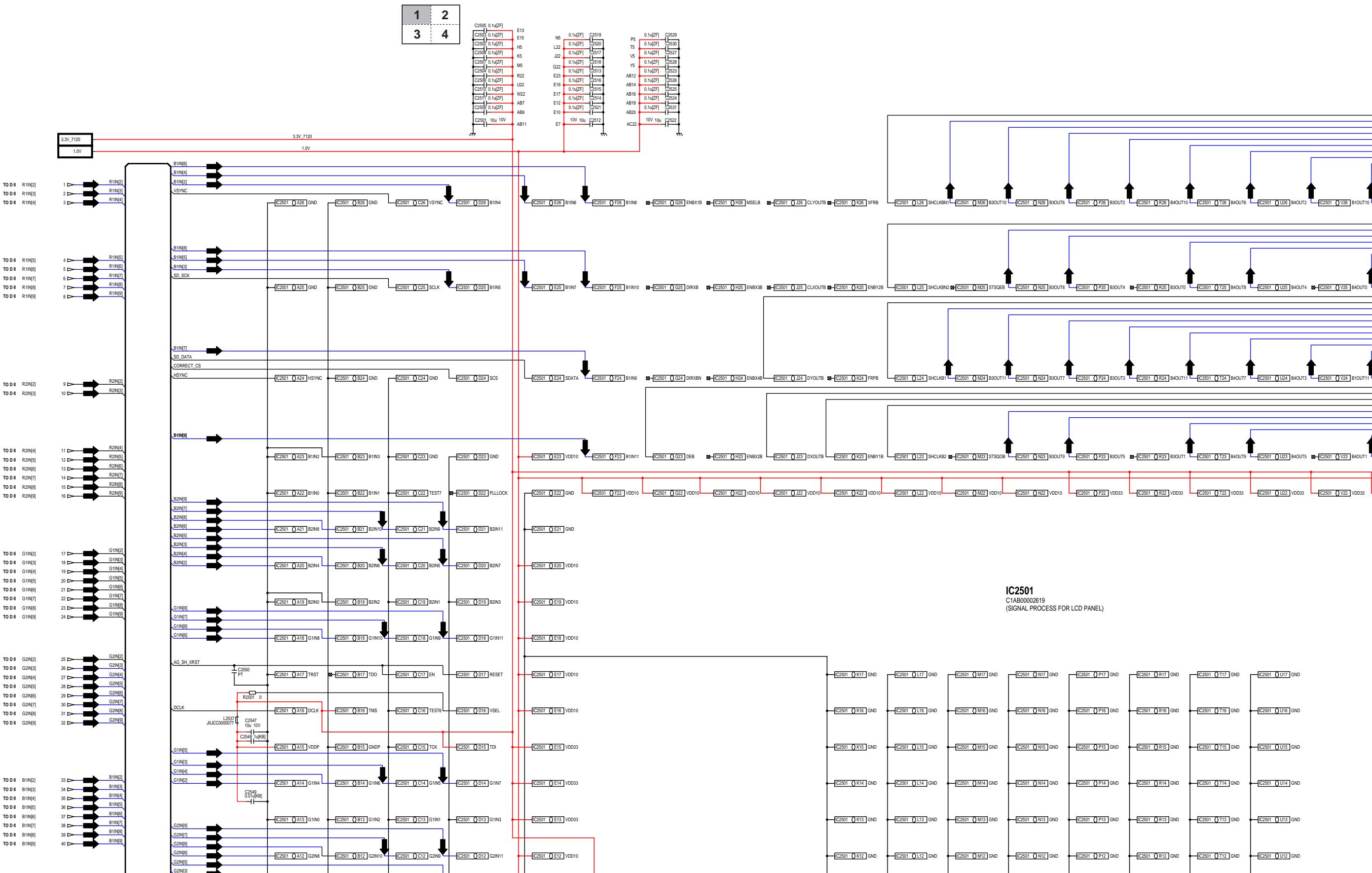
9.3. DRIVE SCHEMATIC DIAGRAMS

DRIVE I SCHEMATIC DIAGRAM

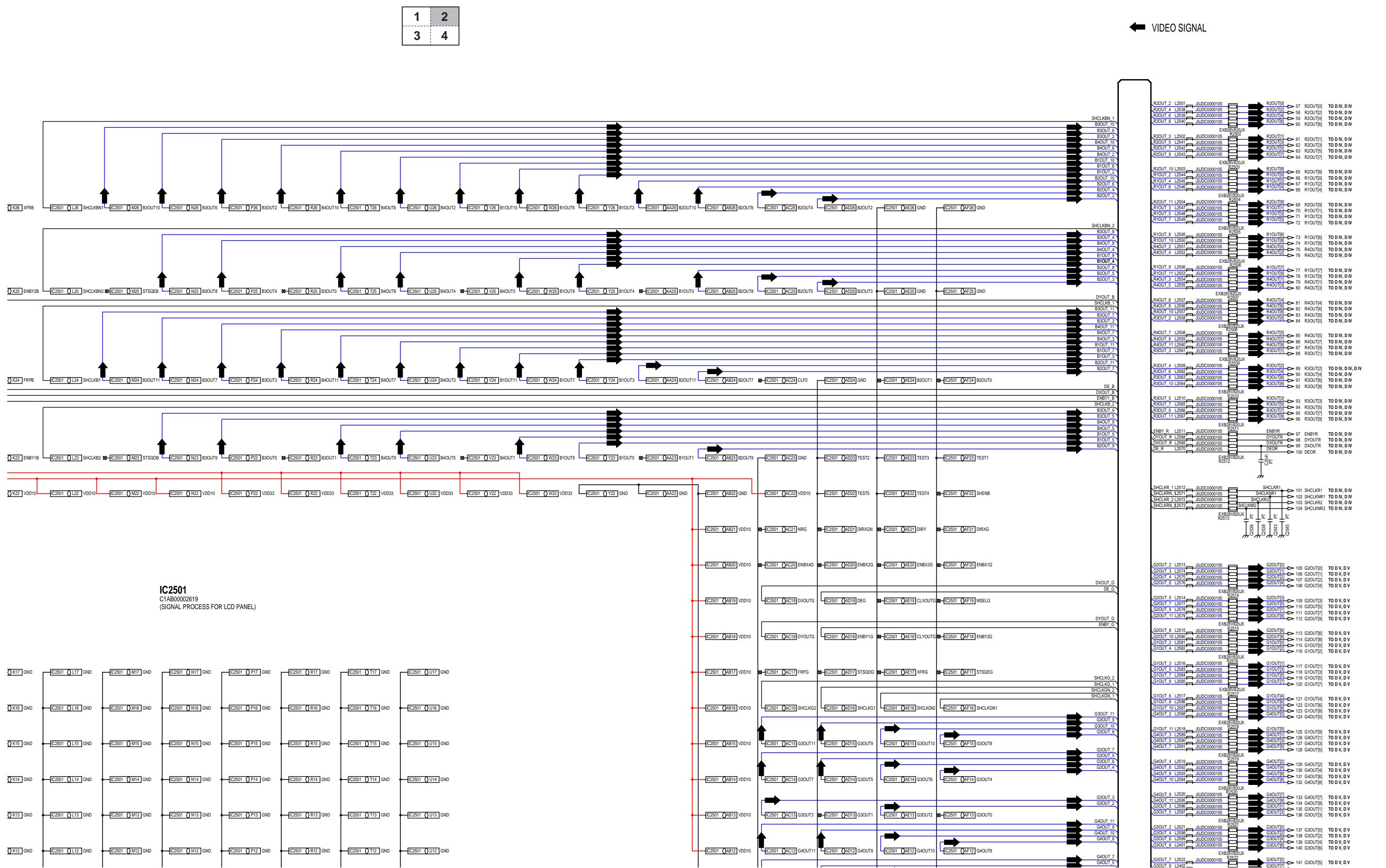


DRIVE I SCHEMATIC DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

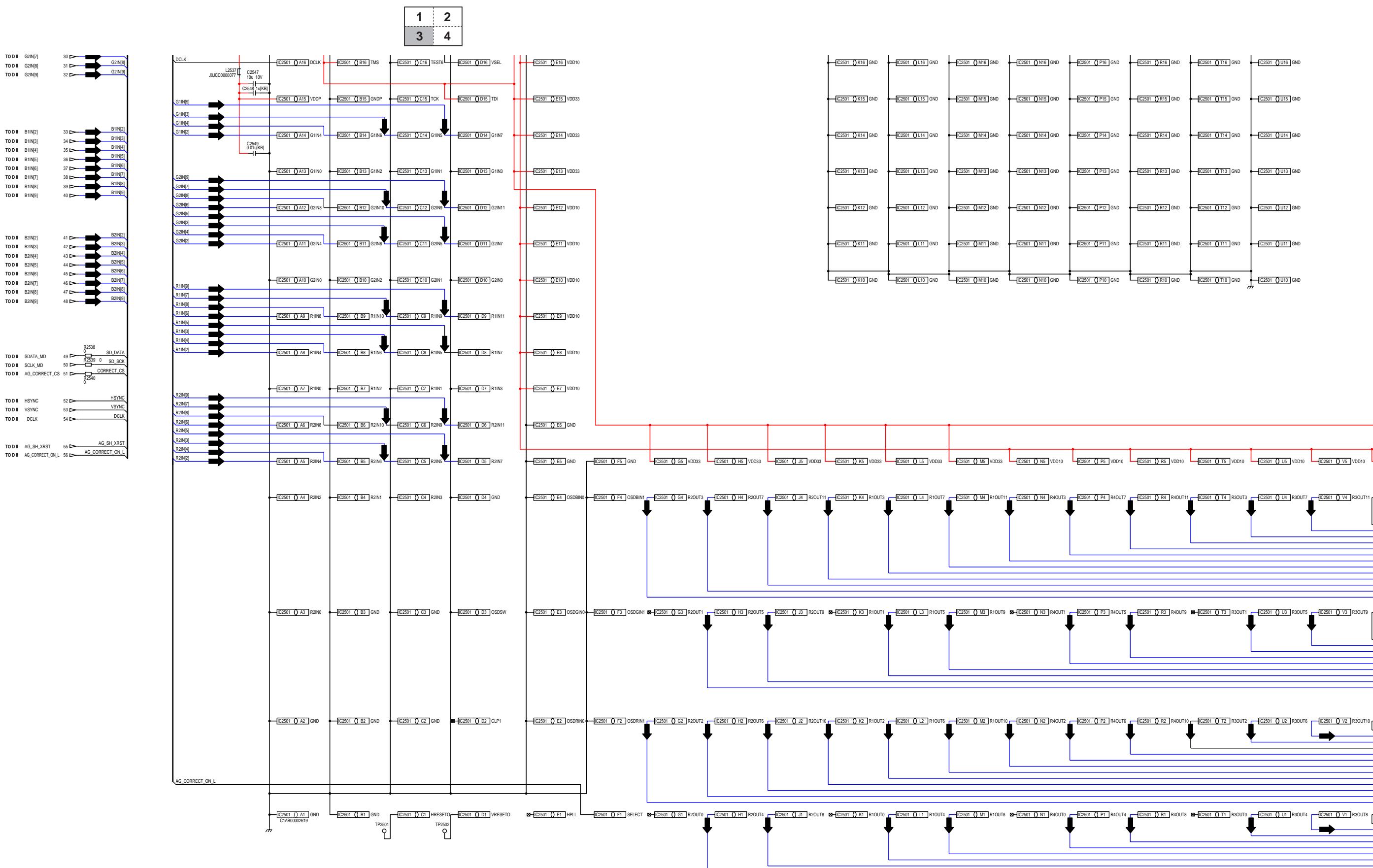
DRIVE I SCHEMATIC DIAGRAM



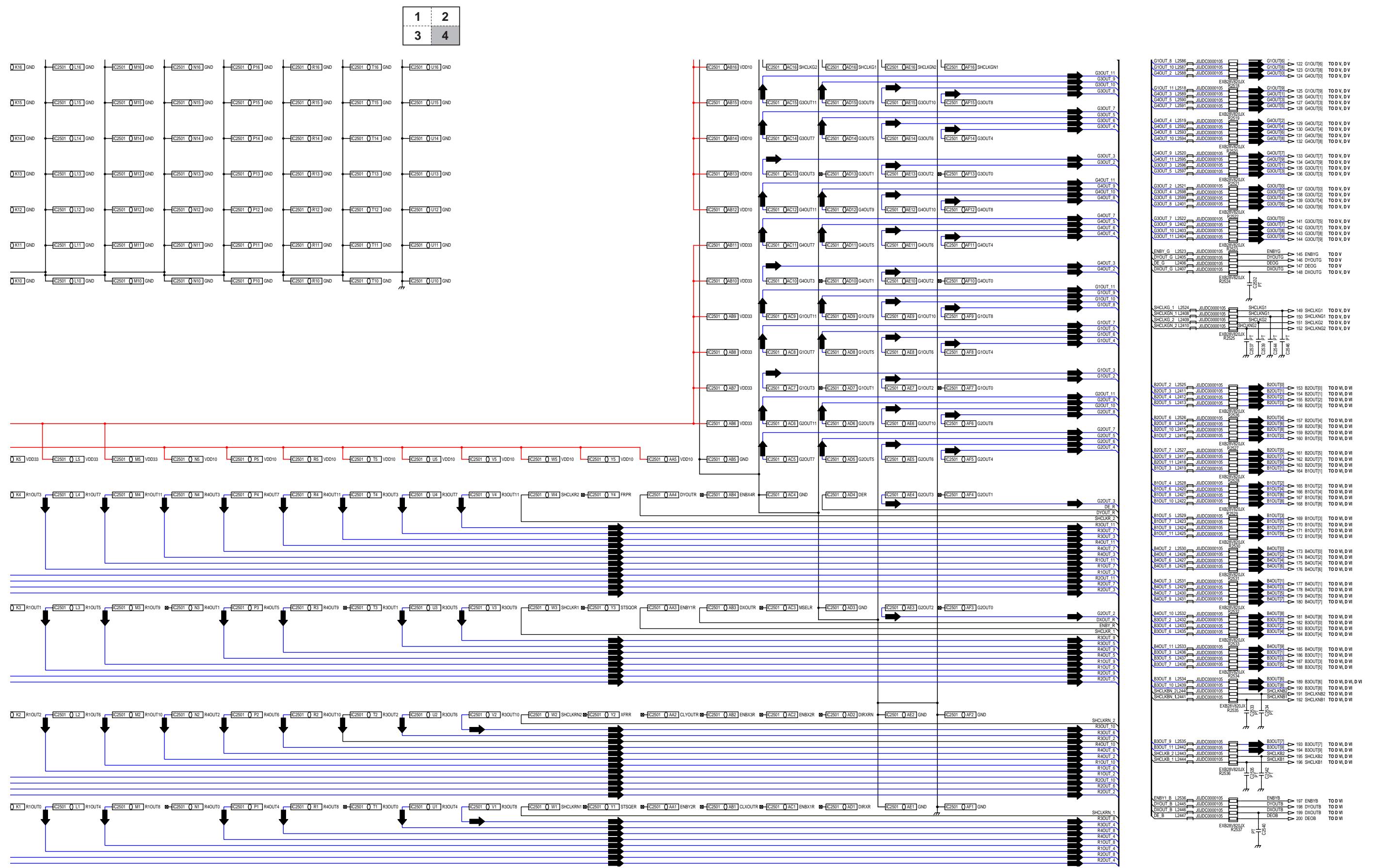
DRIVE I SCHEMATIC DIAGRAM



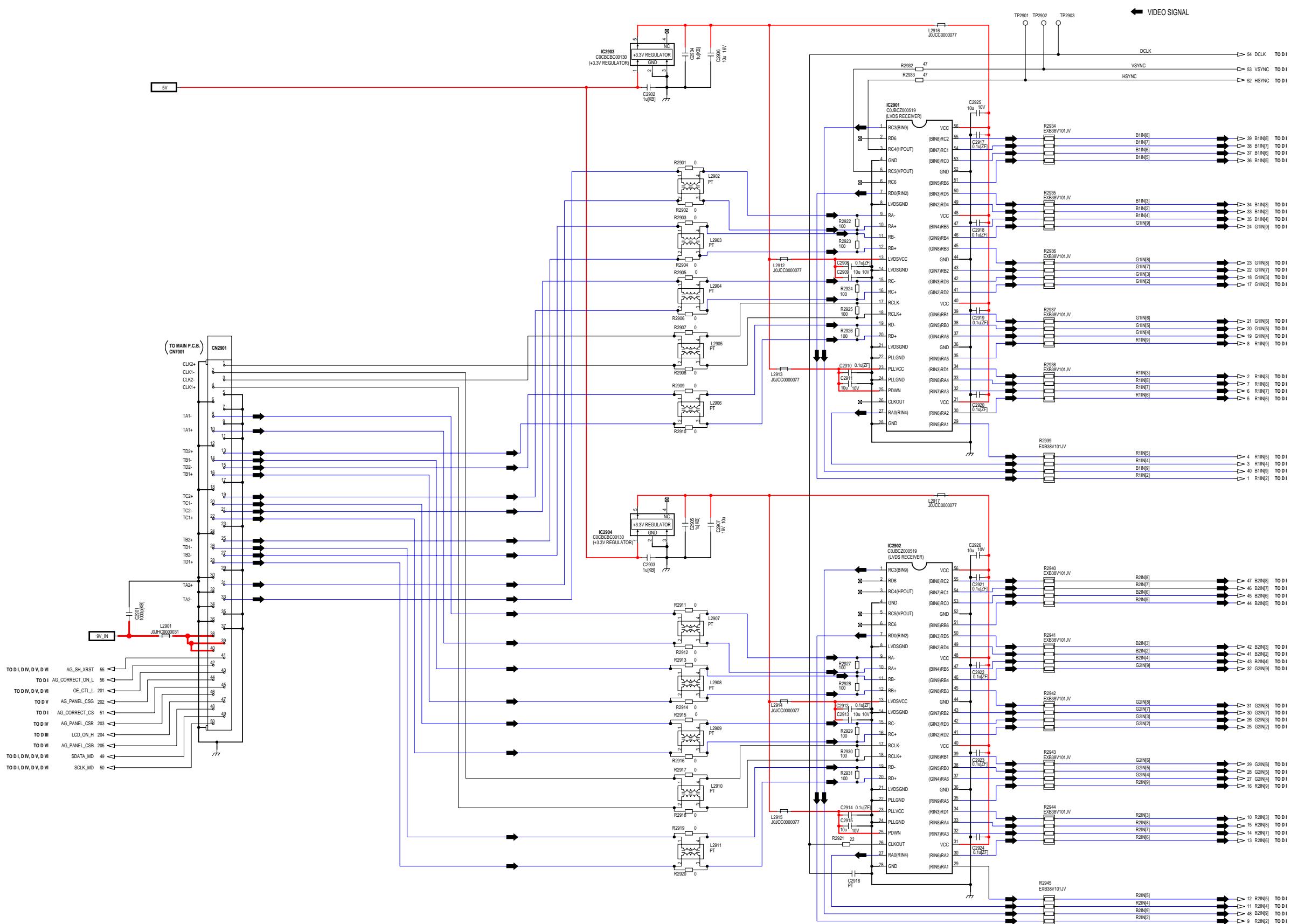
DRIVE I SCHEMATIC DIAGRAM



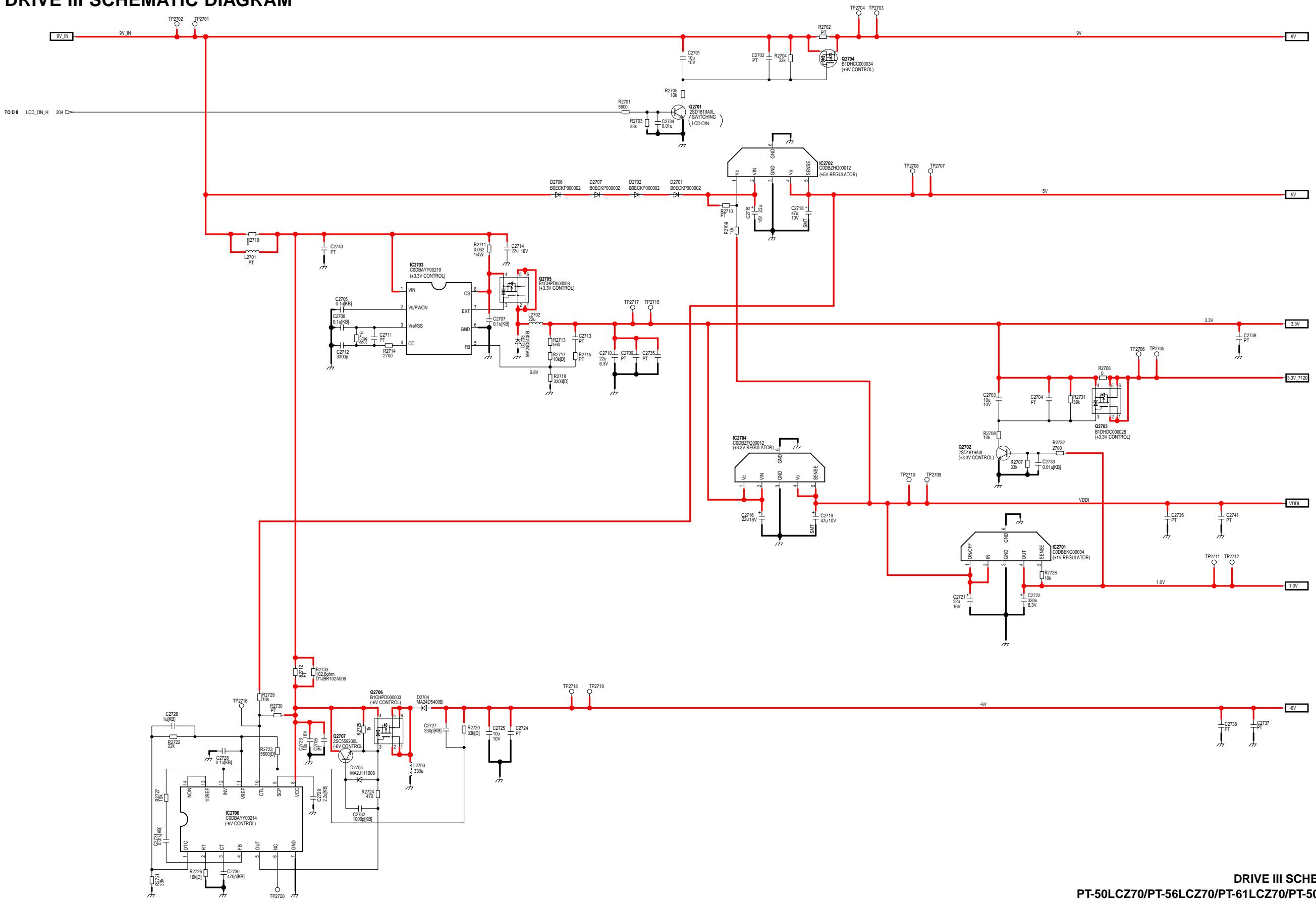
DRIVE I SCHEMATIC DIAGRAM



DRIVE II SCHEMATIC DIAGRAM



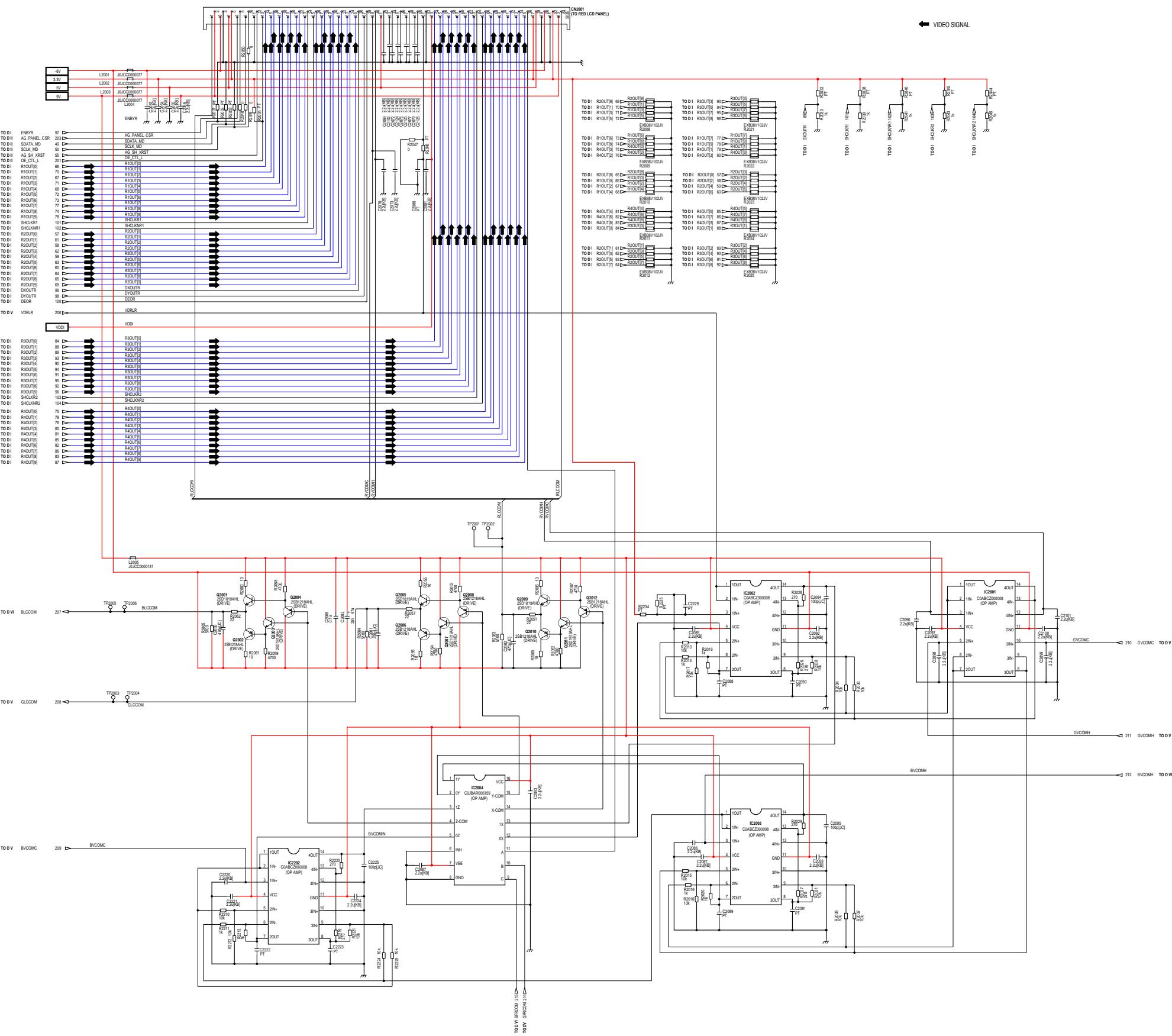
DRIVE III SCHEMATIC DIAGRAM



DRIVE III SCHEMATIC DIAGRAM

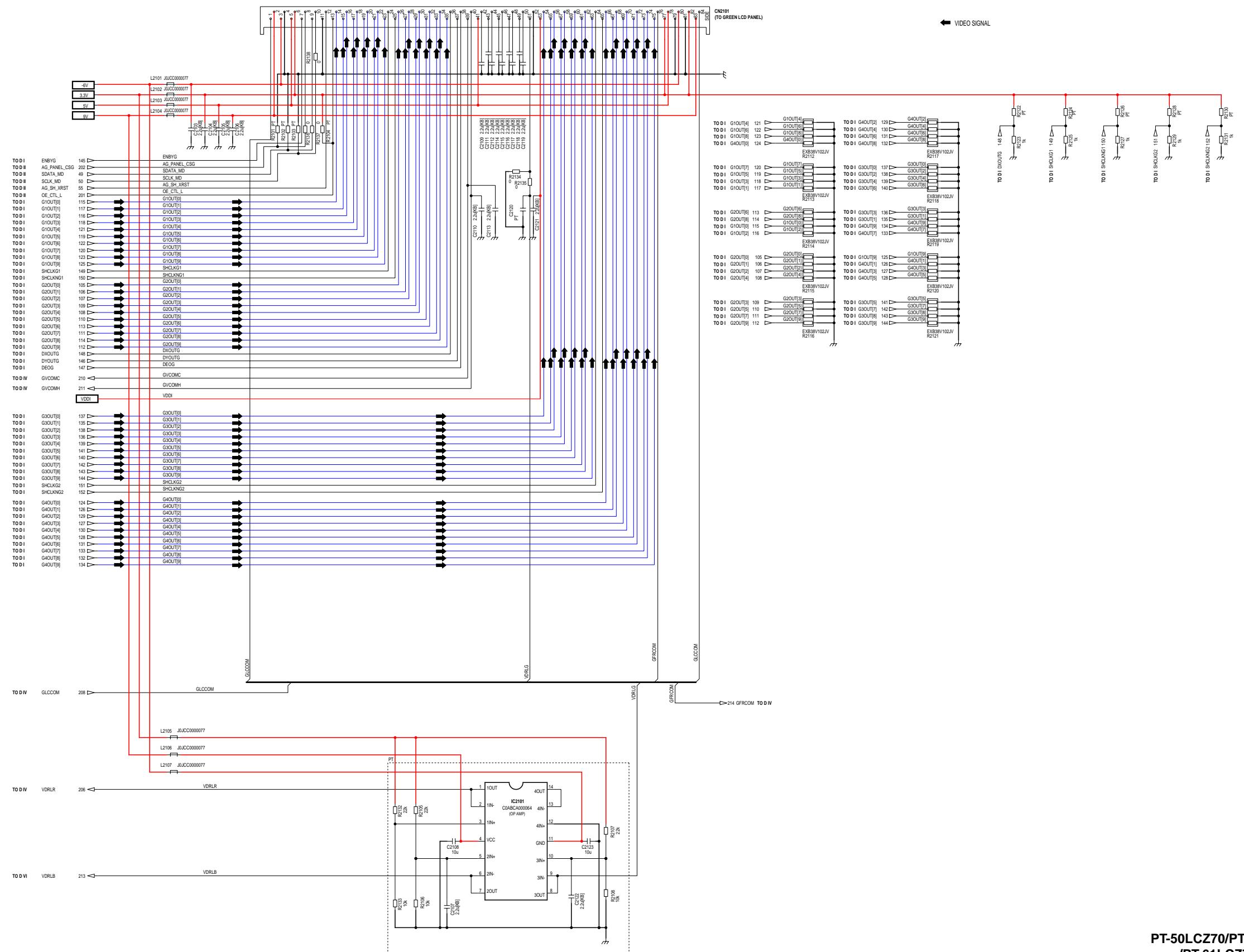
**PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K**

DRIVE IV SCHEMATIC DIAGRAM

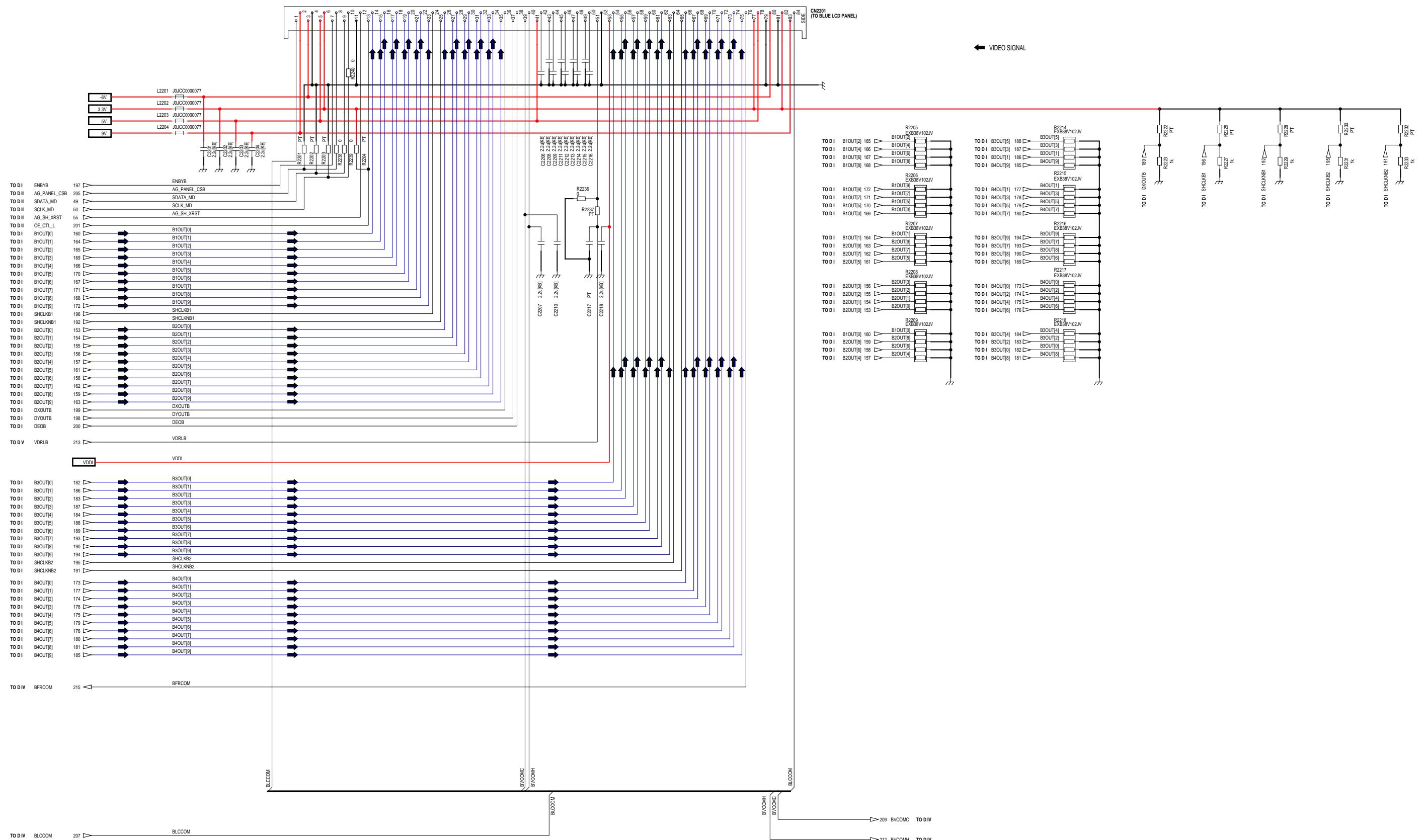


DRIVE IV SCHEMATIC DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

DRIVE V SCHEMATIC DIAGRAM



DRIVE VI SCHEMATIC DIAGRAM



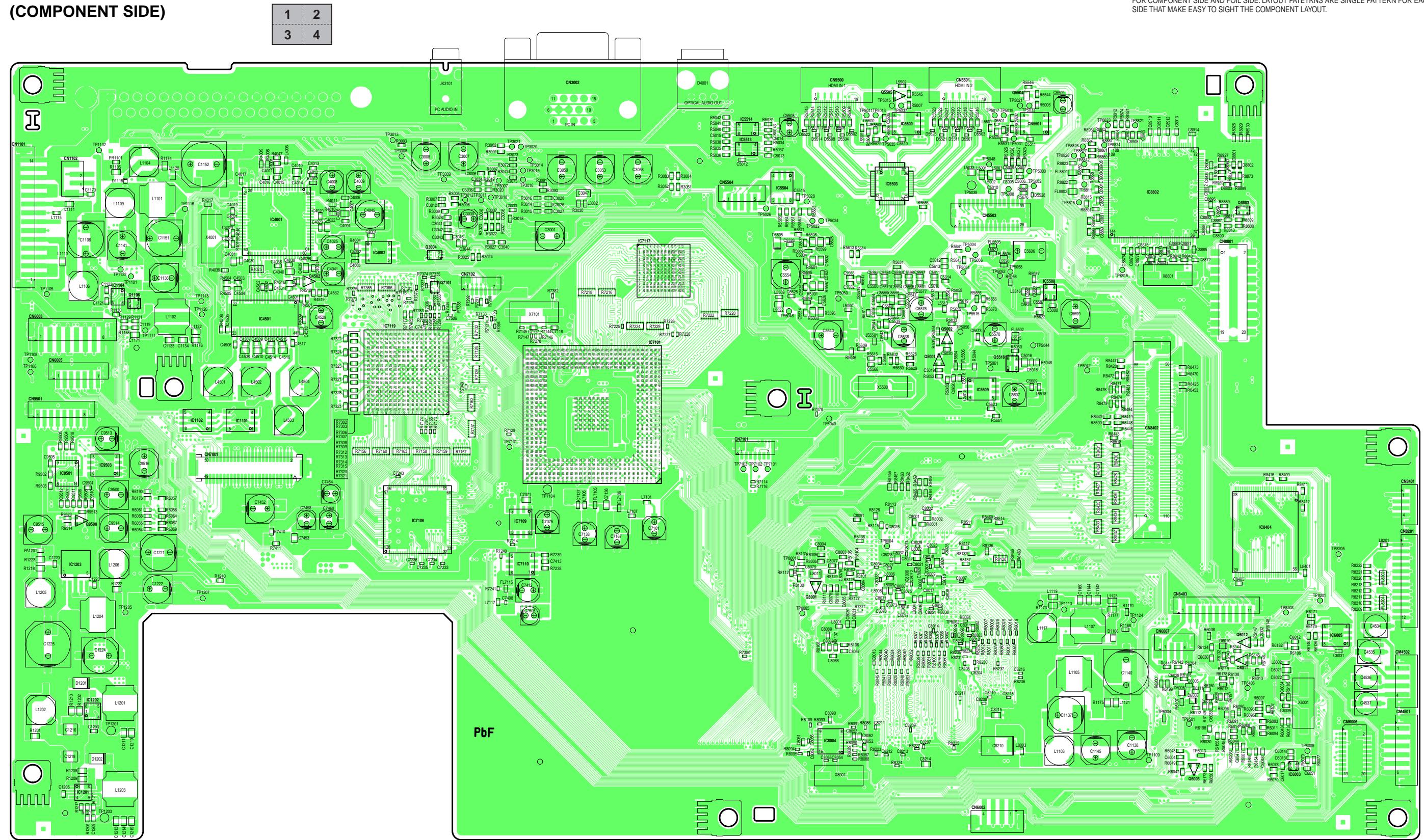
DRIVE VI SCHEMATIC DIAGRAM
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

10 Printed Circuit Board

10.1. MAIN P.C.B.

MAIN P.C.B. LSEP3234A

(COMPONENT SIDE)

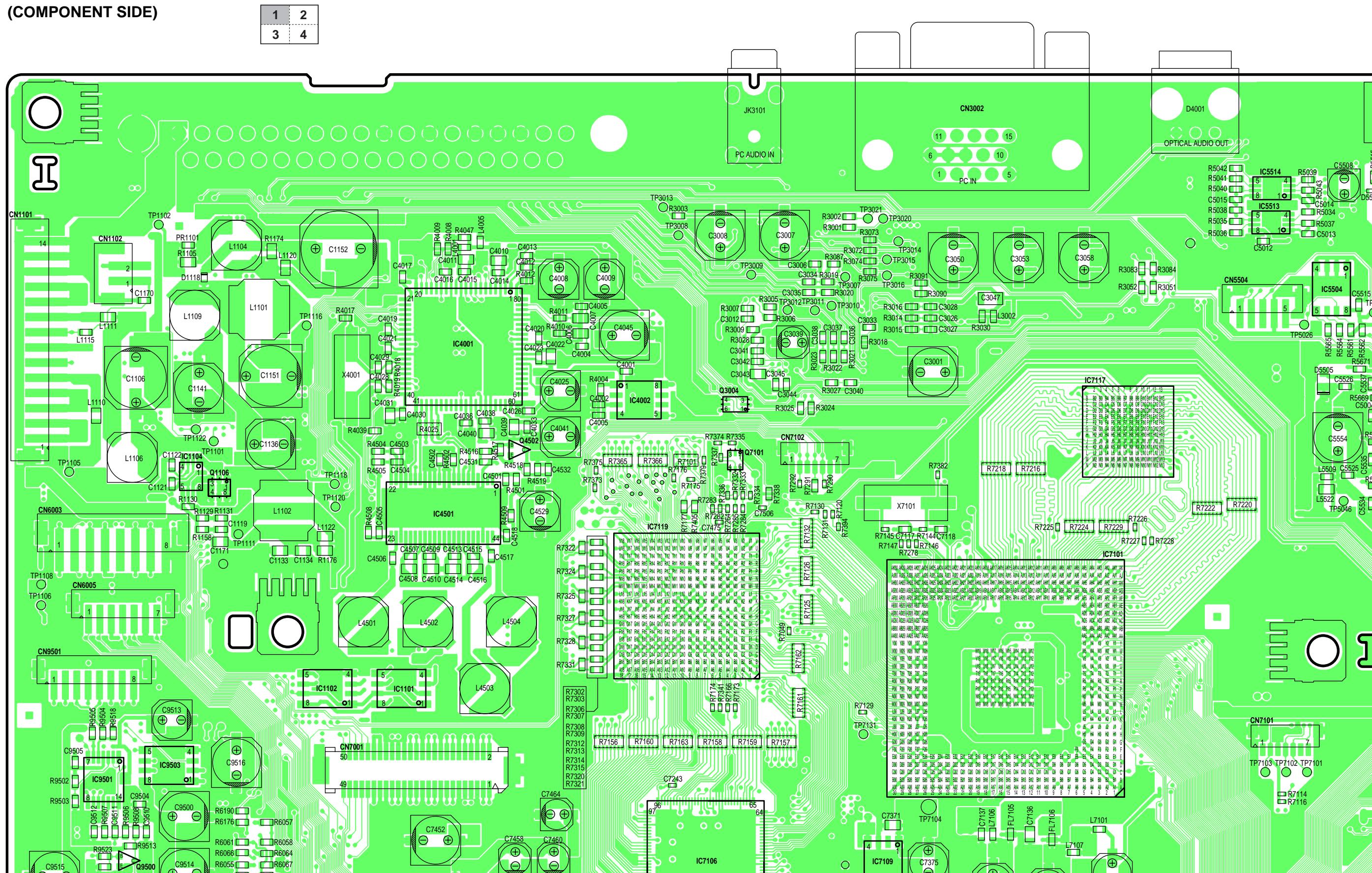


NOTE: MULTILAYER P.C.B.

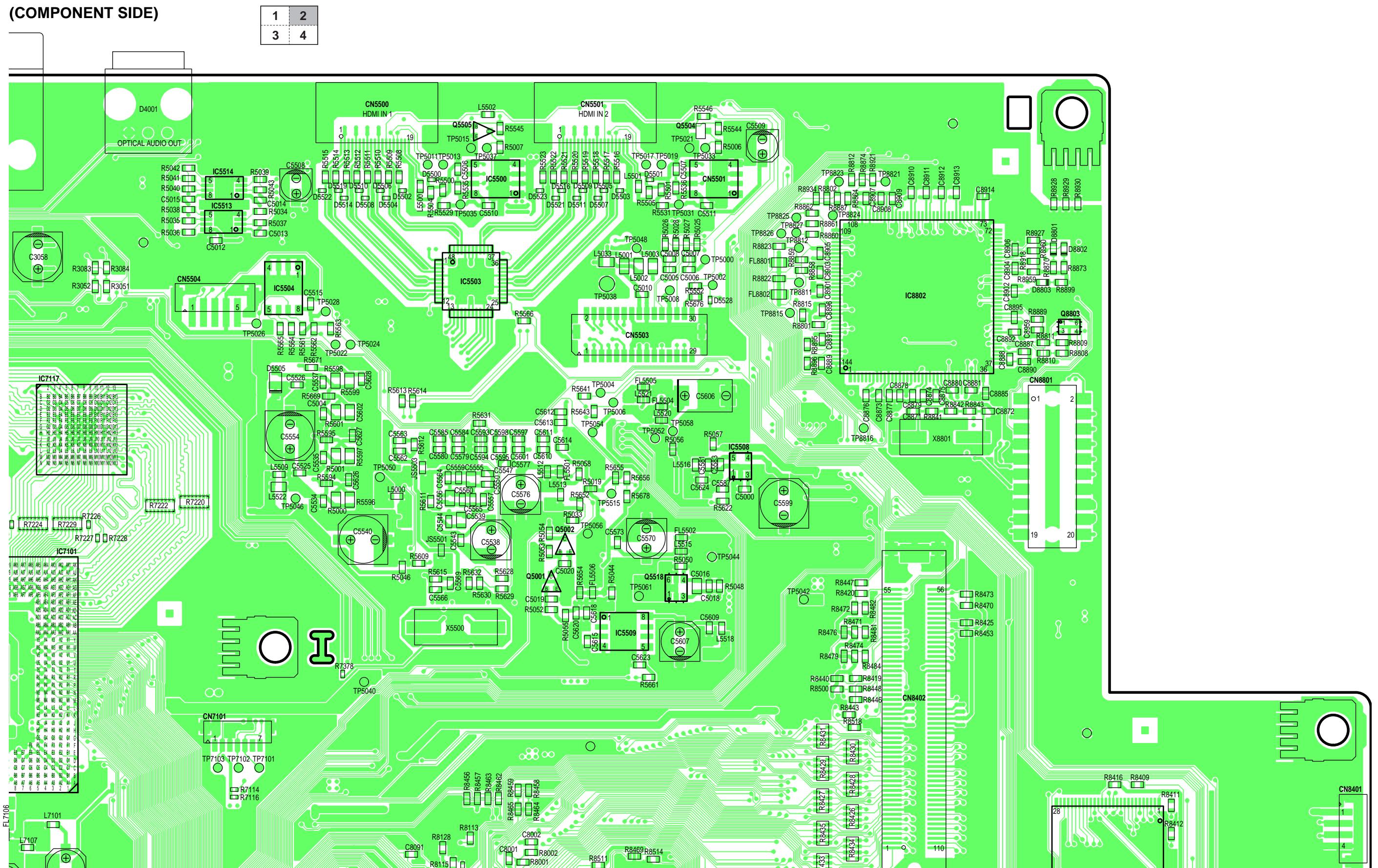
THIS P.C.B. IS Multi-Layer P.C.B. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT PATETRNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

1

**MAIN P.C.B. LSEP3234A
(COMPONENT SIDE)**



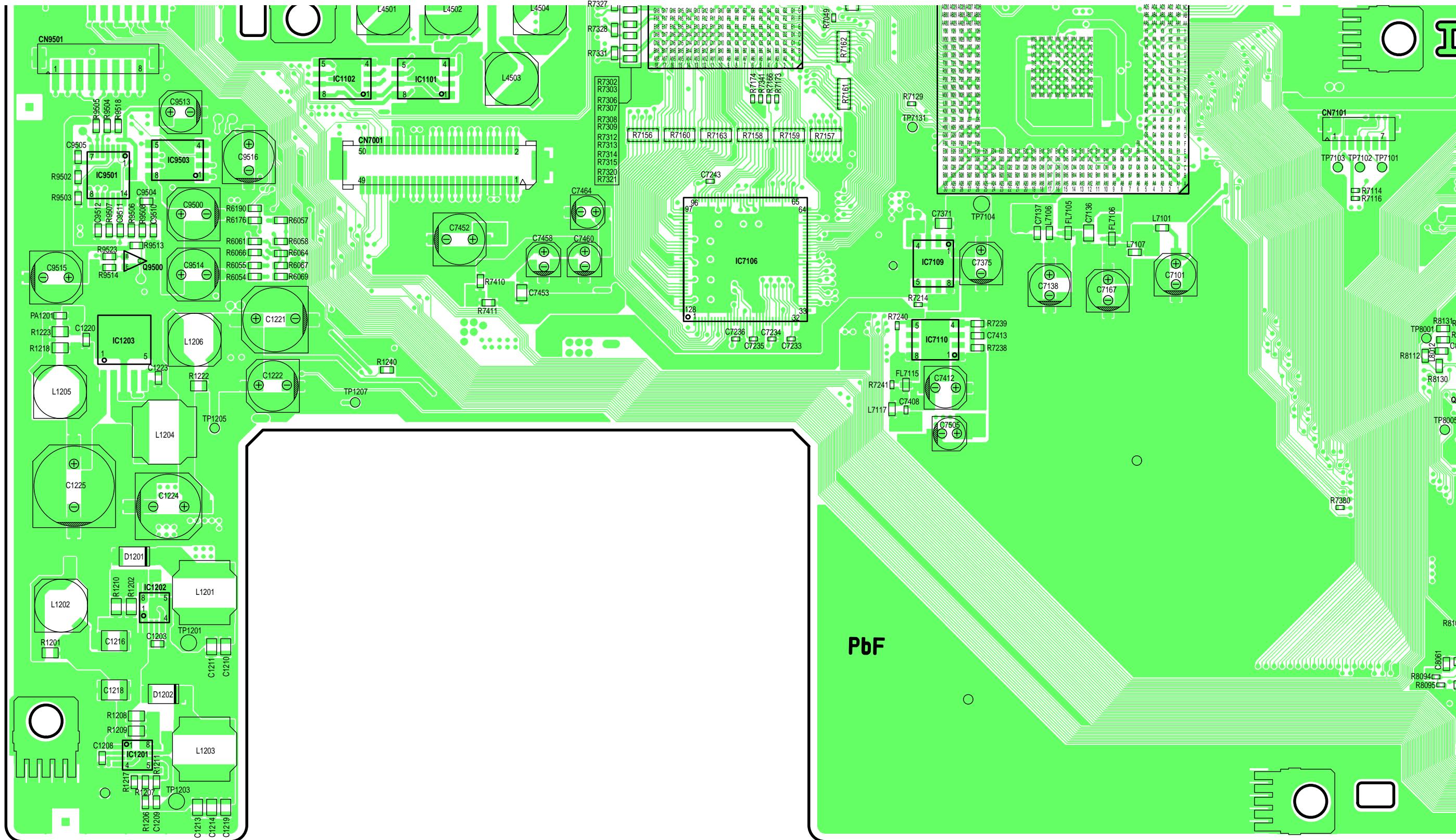
**MAIN P.C.B. LSEP3234A
(COMPONENT SIDE)**



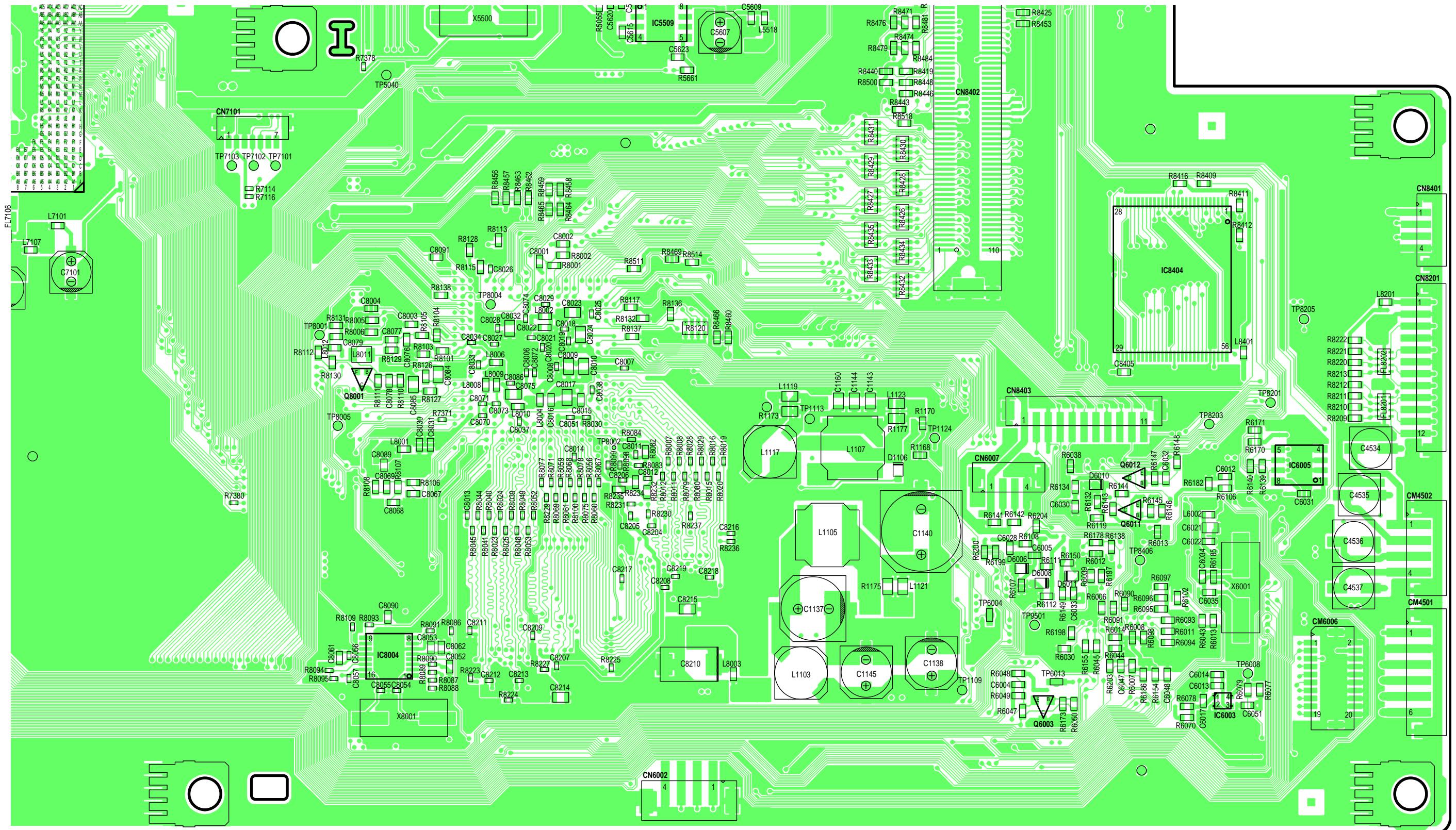
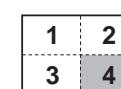
MAIN P.C.B. LSEP3234A

(COMPONENT SIDE)

1	2
3	4

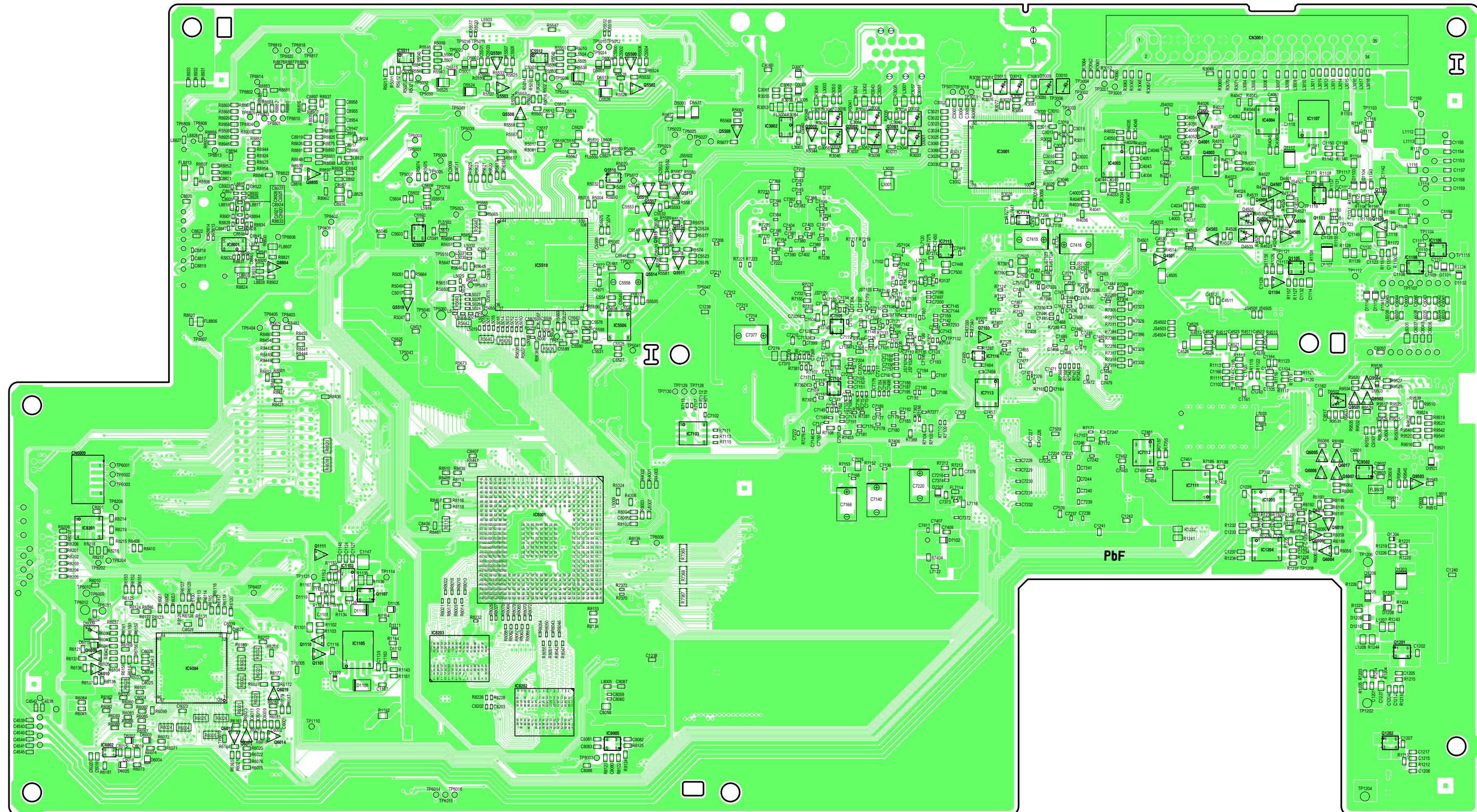


MAIN P.C.B. LSEP3234A
(COMPONENT SIDE)



**MAIN P.C.B. LSEP3234A
(FOIL SIDE)**

1	2
3	4



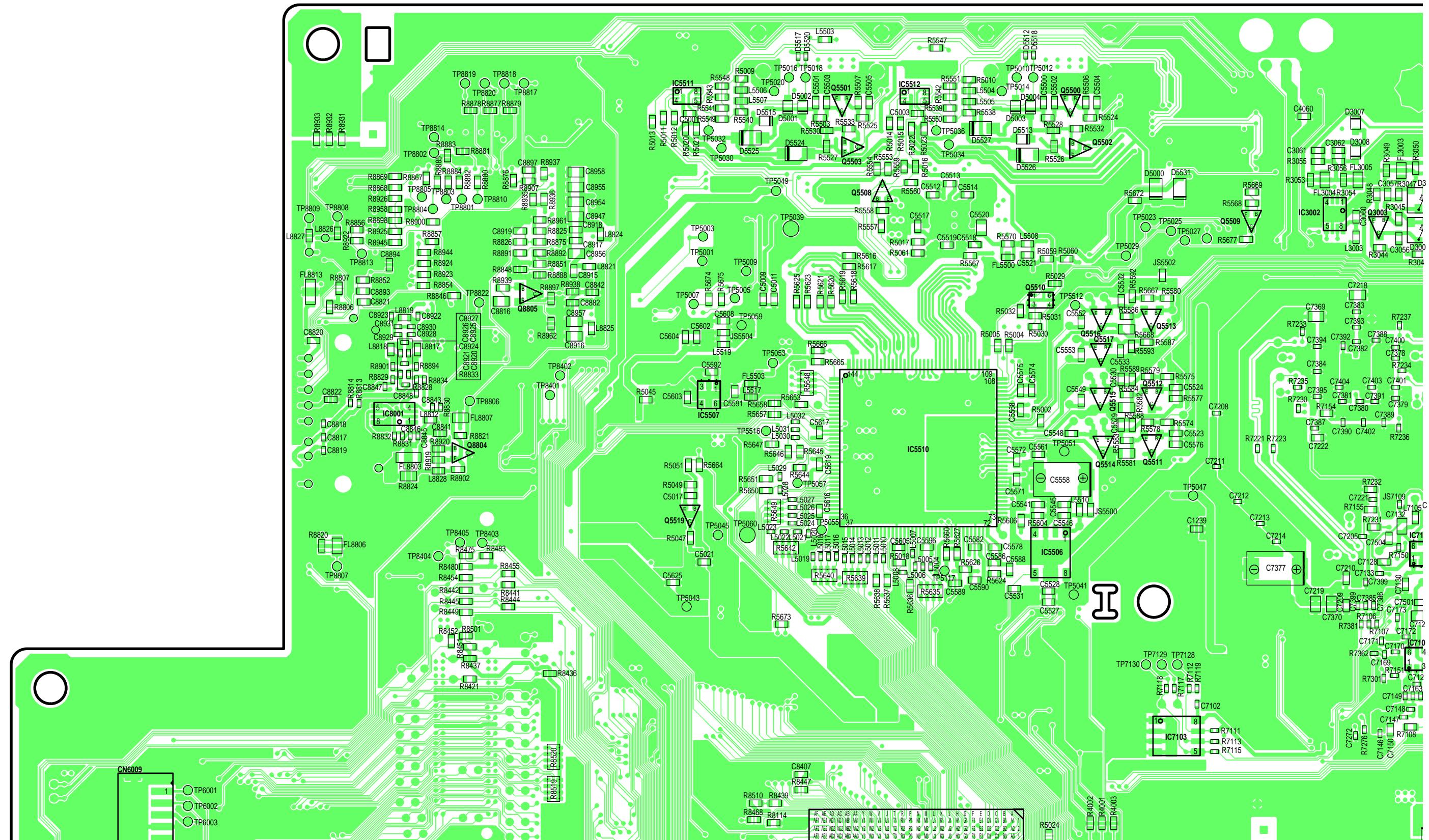
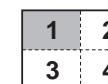
NOTE: MULTILAYER P.C.B.

THIS P.C.B. IS Multi-Layer P.C.B. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT PATERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

LSJB3234

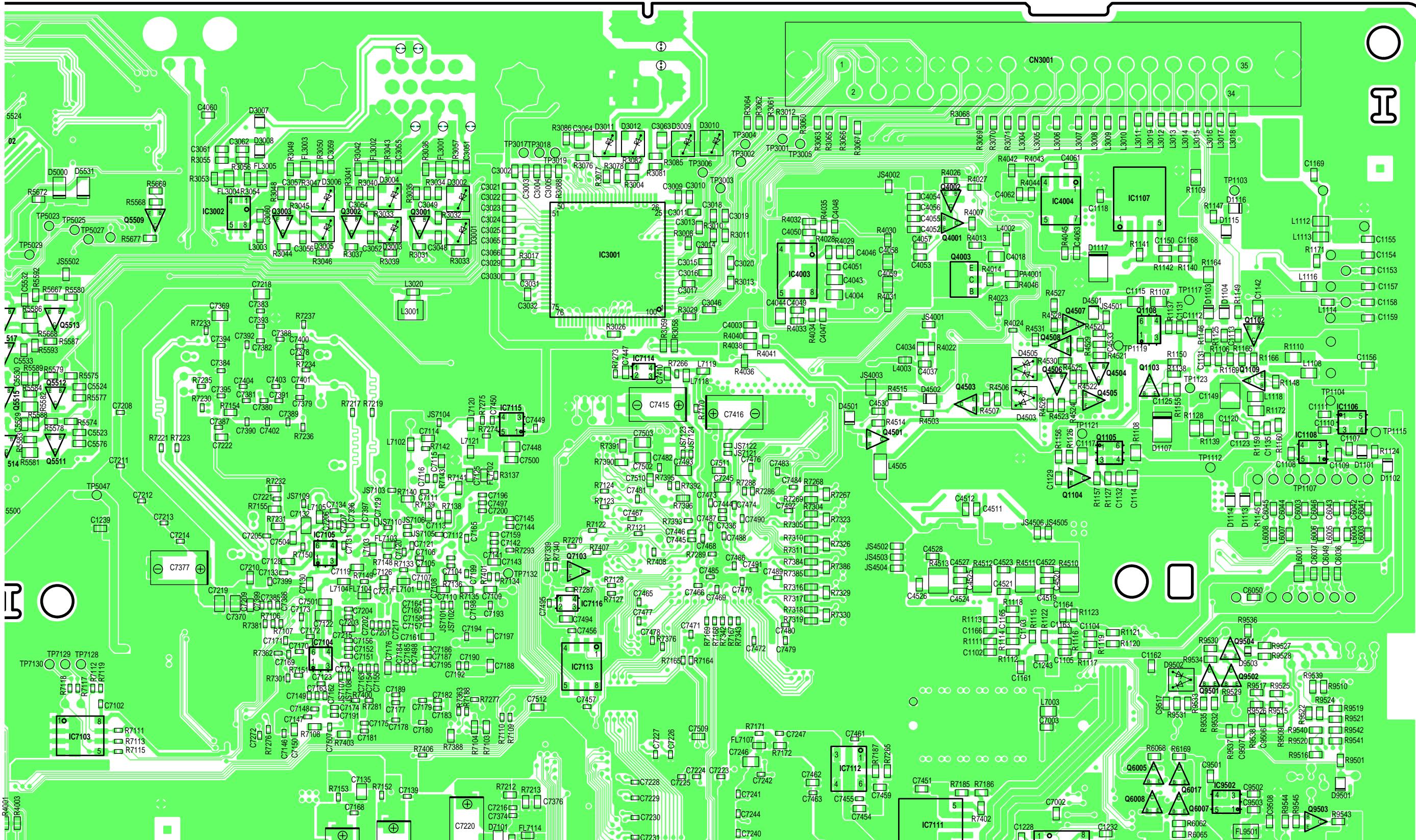
MAIN P.C.B. LSJB3234A
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

**MAIN P.C.B. LSEP3234A
(FOIL SIDE)**

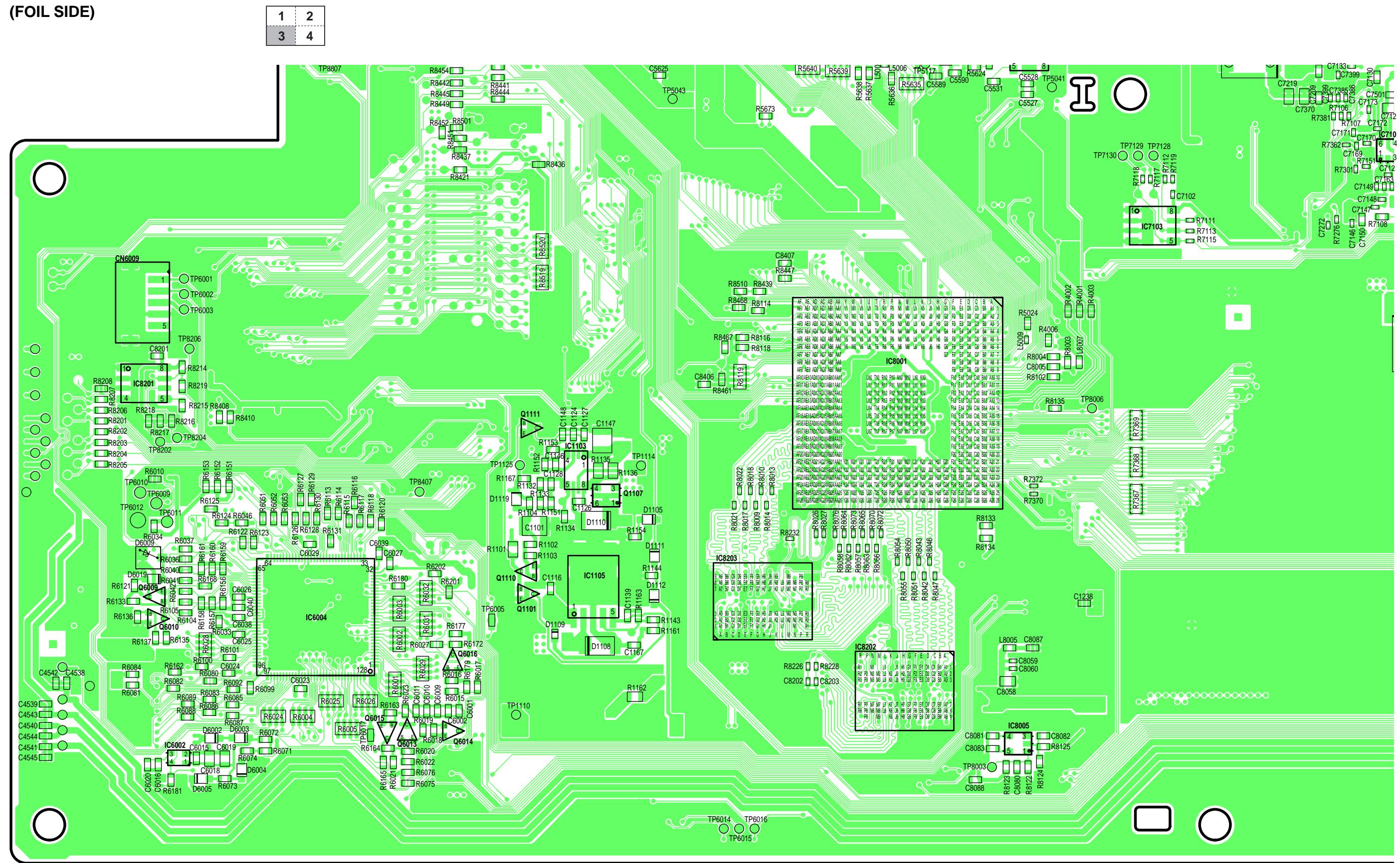


**MAIN P.C.B. LSEP3234A
(FOIL SIDE)**

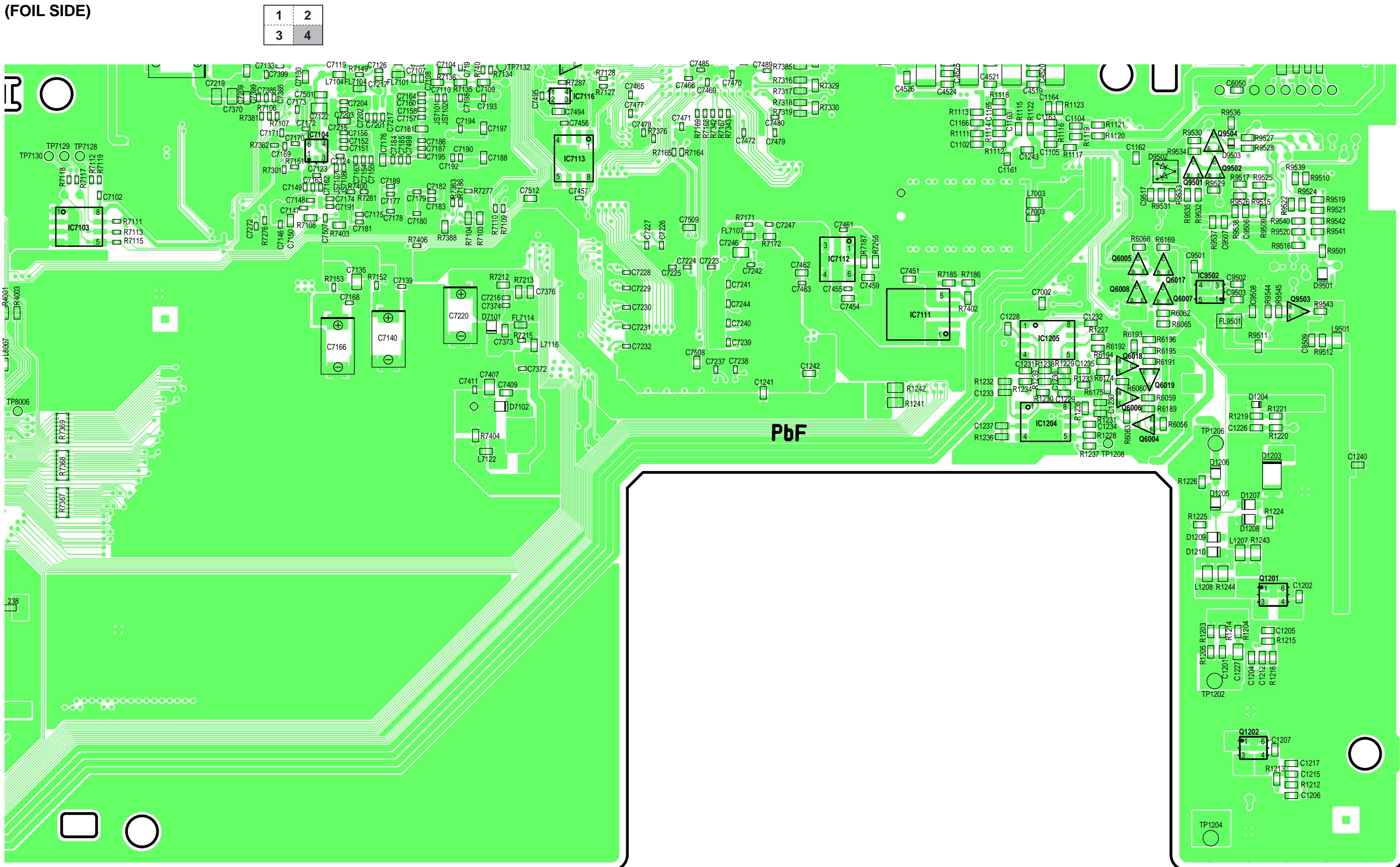
2



**MAIN P.C.B. LSEP3234A
(FOIL SIDE)**



**MAIN P.C.B. LSEP3234A
(FOIL SIDE)**

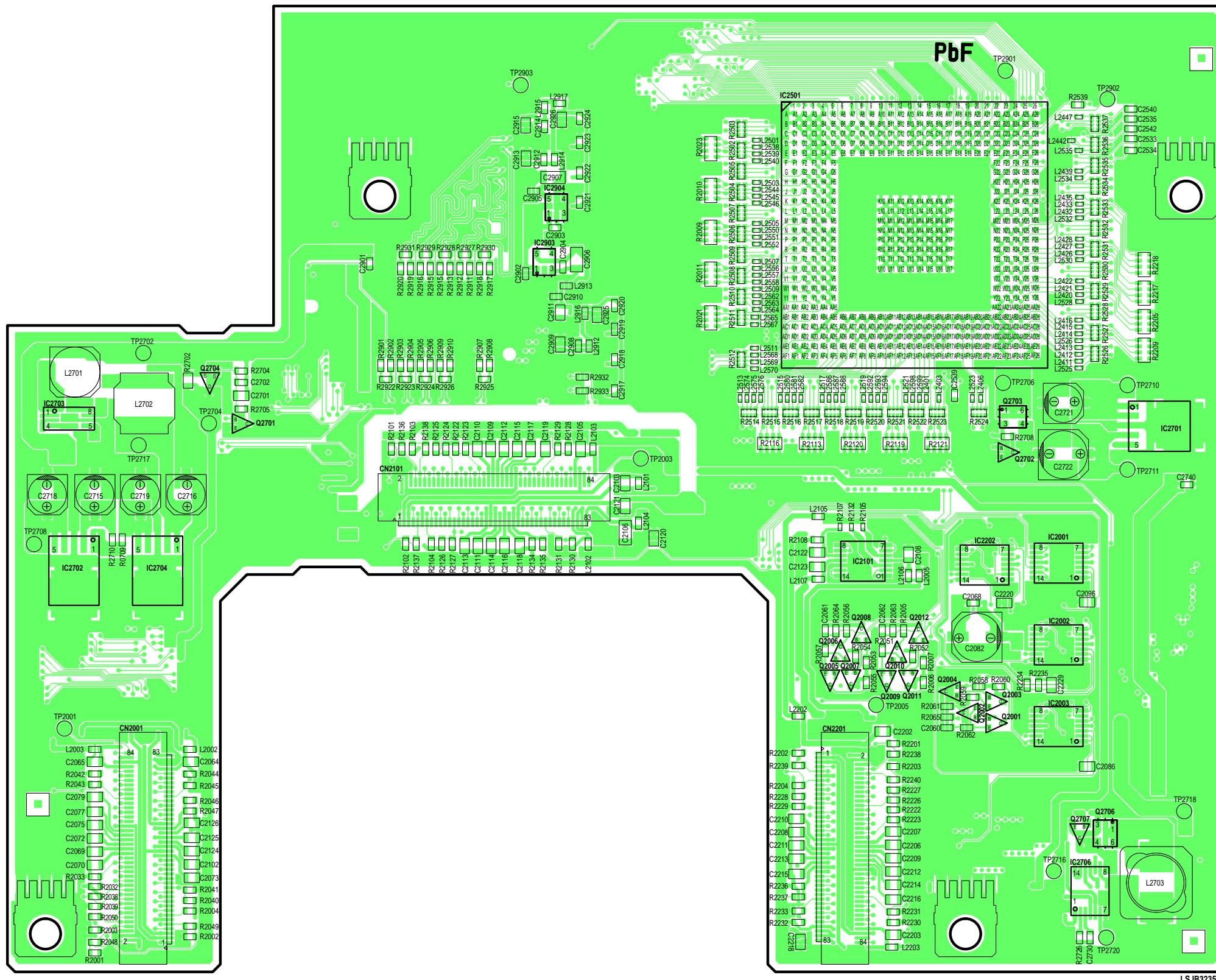


LSJB3234

10.2. DRIVE P.C.B.

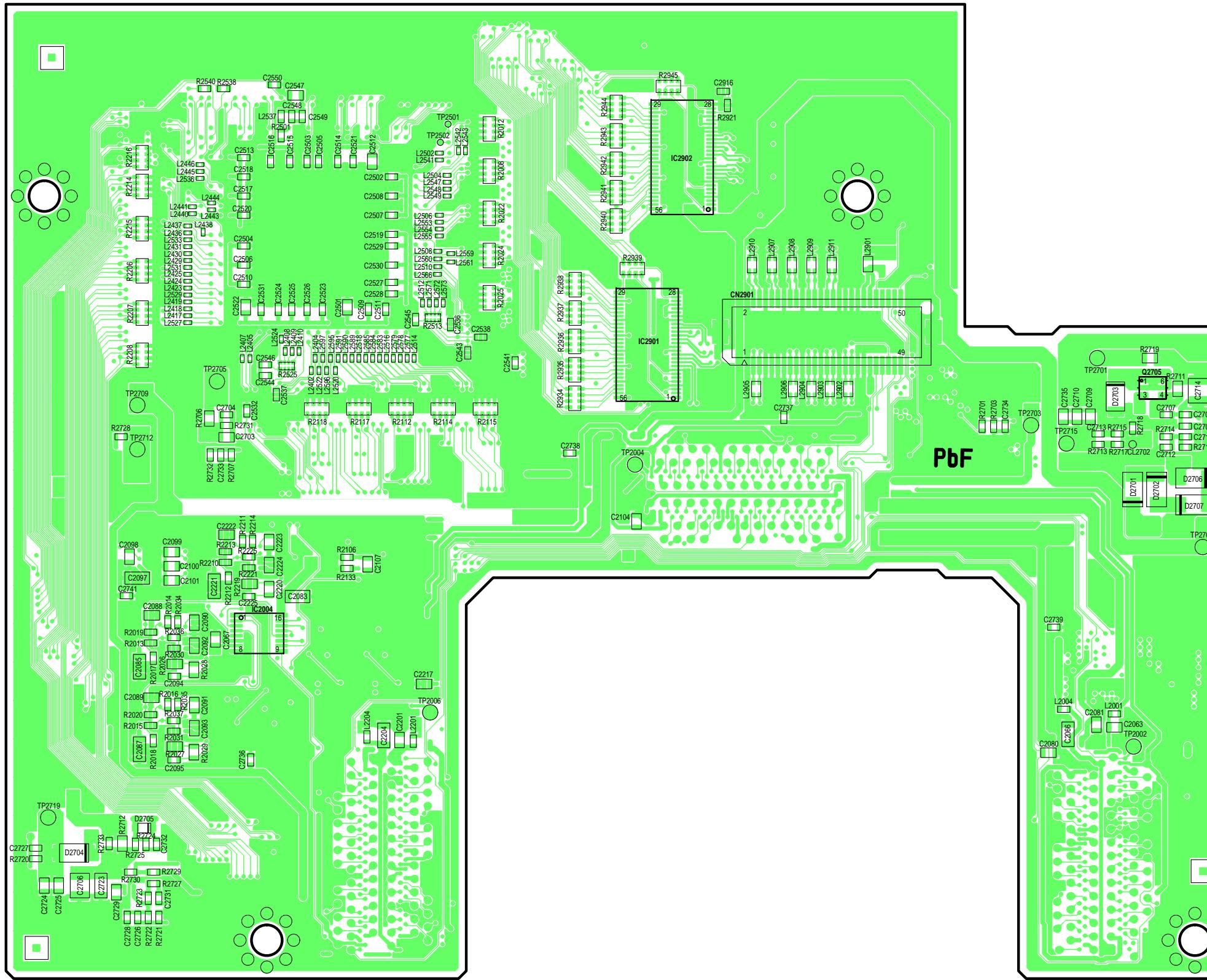
**DRIVE P.C.B. LSEP3235A
(COMPONENT SIDE)**

NOTE: MULTILAYER P.C.B.
THIS P.C.B. IS Multi-Layer P.C.B. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT PATETRNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



**DRIVE P.C.B. LSEP3235A
(FOIL SIDE)**

NOTE: MULTILAYER P.C.B.
THIS P.C.B. IS Multi-Layer P.C.B. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN
FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT PATERNS ARE SINGLE PATTERN FOR EACH
SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



DRIVE P.C.B. LSJB3235A
PT-50LCZ70/PT-56LCZ70/PT-61LCZ70/PT-50LCZ7/PT-56LCZ7
/PT-61LCZ7/PT-50LCZ70-K/PT-56LCZ70-K/PT61LCZ70-K

11 Appendix Information of Schematic Diagram

11.1. CHECKING POINT TABLE OF THE CSP IC

Check Point of IC7101 (Main P.C.B.)

Pin	Name	Voltage	Check Point	WF No.	Remarks
V1	GYIA3	0			
V3	GYIA1	0			
W1	GYIA4	0			
U1	GYIA0	0			
Y1	GYIA7	0			
Y2	GYIA6	0			
V2	GYIA2	0			
Y3	GYIA5	3.3			
P3	RVIA3	0			
R3	BUIA3	0			
T1	BUIA7	0			
R2	BUIA4	0			
T2	BUIA6	0.6			
U2	RVIA7	0			
T3	RVIA5	0			
U3	RVIA6	0			
N2	RVIA1	0			
L1	BUIA1	0			
L2	BUIA0	0			
N1	RVIA2	0			
P1	BUIA2	0			
N3	RVIA0	0			
P2	RVIA4	0			
R1	BUIA5	0			
W3	HSIA	0	R7372 (RIGHT)	WF4	FOIL SIDE
W2	VSIA	0	R7371 (RIGHT)	WF5	COMPONENT SIDE
M2	CLKIA	1.7	R7370 (RIGHT)	WF6	FOIL SIDE
V28	ROE0	1.6	R7131 (LOWER)		COMPONENT SIDE
V29	ROE1	3.3	R7130 (RIGHT)		COMPONENT SIDE
V30	ROE2	0			
U28	ROE3	0			
U29	ROE4	0			
U30	ROE5	0			
T28	ROE6	0			
T29	ROE7	0			
T30	ROE8	0			
R28	ROE9	0			

Pin	Name	Voltage	Check Point	WF No.	Remarks
R29	GOE0	3.3	R7124 (LEFT)		FOIL SIDE
R30	GOE1	0	R7123 (LEFT)		FOIL SIDE
P28	GOE2	0			
P29	GOE3	0			
P30	GOE4	0			
N28	GOE5	0			
N29	GOE6	0			
N30	GOE7	0			
M28	GOE8	0			
M29	GOE9	0			
M30	BOE0	3.3	R7122 (LEFT)		FOIL SIDE
L28	BOE1	3.3	R7121 (LEFT)		FOIL SIDE
L29	BOE2	0			
L30	BOE3	0			
K28	BOE4	0			
K29	BOE5	0			
K30	BOE6	0			
J28	BOE7	0			
J29	BOE8	0			
J30	BOE9	0			
H28	VSOE	0	R7127 (LEFT)	WF10	FOIL SIDE
H29	HSOE	3.2	R7128 (LEFT)	WF11	FOIL SIDE
H30	CLKOE	1.7	R7129 (RIGHT)	WF12	COMPONENT SIDE
G29	SCL	3.3	R7109 (UPPER)	—	FOIL SIDE
G30	SDA	0	R7110 (UPPER)	—	FOIL SIDE
V4	SCL_MC	3.3	R7113 (RIGHT)	WF13	FOIL SIDE
U4	SDA_MC	0	R7115 (RIGHT)	WF14	FOIL SIDE
D12	NRST	3.3	R7108 (RIGHT)	—	FOIL SIDE
Y4	OEMUTE	3.3	R7106 (UPPER)	—	FOIL SIDE
K5 L5 P4 ⋮ etc.	VDDW	3.3	R7362 (RIGHT)	—	FOIL SIDE
V12 V13 W12 ⋮ etc.	VDD25	2.5	TP7104	—	COMPONENT SIDE

Check Point of IC7119 (Main P.C.B.)

Pin	Name	Voltage	Check Point	WF No.	Remarks	Pin	Name	Voltage	Check Point	WF No.	Remarks		
T3	ROE2	0	R7132 (LEFT)	WF15	COMPONENT SIDE	T11	PEAKS OSD8	0.1	R7365 (LOWER)	WF37	COMPONENT SIDE		
P4	ROE3	0				V12	PEAKS OSD9	0.9					
P5	ROE4	0	R7395 (LOWER)	WF15	FOIL SIDE	U12	PEAKS OSD10	0.4					
R2	ROE5	0	R7132 (LEFT)			T12	PEAKS OSD11	0.1					
N5	ROE6	0				V13	PEAKS OSD12	0.1					
P2	ROE7	0				U13	PEAKS OSD13	0.1					
P3	ROE8	0				T13	PEAKS OSD14	0.5					
N2	ROE9	0				U14	PEAKS OSD15	0.9					
M4	GOE2	0	R7126 (LEFT)	WF16	COMPONENT SIDE	T8	LOSDOUT_CLK_1	1.6	R7405 (LOWER)	WF38	COMPONENT SIDE		
N1	GOE3	0				J4	CLK1	1.6	R7270 (RIGHT)	WF39	FOIL SIDE		
M5	GOE4	0				M17	TA1+	0.5	R7308 (RIGHT)	WF18	COMPONENT SIDE		
L5	GOE5	0				M18	TA1-	1.9	R7309 (RIGHT)	WF19	COMPONENT SIDE		
M2	GOE6	0				N17	TB1+	2.5	R7306 (RIGHT)	WF18	COMPONENT SIDE		
M3	GOE7	0				N18	TB1-	0.1	R7307 (RIGHT)	WF19	COMPONENT SIDE		
L3	GOE8	0				N15	TC1+	0	R7304 (LEFT)	WF18	FOIL SIDE		
L4	GOE9	0				N16	TC1-	0.5	R7305 (LEFT)	WF19	FOIL SIDE		
K5	BOE2	0				R18	TD1+	2.5	R7302 (RIGHT)	WF18	COMPONENT SIDE		
L2	BOE3	0	R7125 (LEFT)	WF17	COMPONENT SIDE	R17	TD1-	0.1	R7303 (RIGHT)	WF19	COMPONENT SIDE		
H3	BOE4	0				L17	CLK1+	0.4	R7310 (LEFT)	WF20	FOIL SIDE		
H2	BOE5	0				L18	CLK1-	0.2	R7311 (LEFT)	WF20	FOIL SIDE		
H1	BOE6	0				D17	TA2+	2.5	R7320 (RIGHT)	WF18	COMPONENT SIDE		
H5	BOE7	0				C17	TA2-	0.1	R7321 (RIGHT)	WF19	COMPONENT SIDE		
G1	BOE8	0				D15	TB2+	0	R7318 (LEFT)	WF18	FOIL SIDE		
H4	BOE9	0				D16	TB2-	2.5	R7319 (LEFT)	WF19	FOIL SIDE		
G3	VSOE	3.2	R7127 (LEFT)	WF10	FOIL SIDE	E15	TC2+	0	R7316 (LEFT)	WF18	FOIL SIDE		
G2	HSOE	1.7	R7128 (LEFT)	WF11	FOIL SIDE	E16	TC2-	0.5	R7317 (LEFT)	WF19	FOIL SIDE		
J3	CLKOE	1.7	R7129 (RIGHT)	WF12	COMPONENT SIDE	F17	TD2+	2.5	R7314 (RIGHT)	WF18	COMPONENT SIDE		
T9	PEAKS OSD0	0.4	R7366 (LOWER)	WF37	COMPONENT SIDE	F18	TD2-	0.1	R7315 (RIGHT)	WF19	COMPONENT SIDE		
U9	PEAKS OSD1	0.1				H17	CLK2+	0.4	R7384 (LEFT)	WF20	FOIL SIDE		
V9	PEAKS OSD2	0.9				H16	CLK2-	0.2	R7385 (LEFT)	WF20	FOIL SIDE		
V10	PEAKS OSD3	0.9				E1	VCCIO1	3.3	R7362 (RIGHT)	—	FOIL SIDE		
U10	PEAKS OSD4	0.1				G7	VCCIO2						
T10	PEAKS OSD5	0.4				P1	VCCIO4						
V11	PEAKS OSD6	0.4				⋮	etc.						
U11	PEAKS OSD7	0.9											

Check Point of IC8001 (Main P.C.B.)

Pin	Name	Voltage	Check Point	WF No.	Remarks
C20	VOP2	0	R7367 (LEFT)	WF1	FOIL SIDE
A21	VOP3	0			
B21	VOP4	0			
F19	VOP5	0			
C21	VOP6	0			
A22	VOP7	0			
D20	VOP8	0			
B22	VOP9	3.3			
C18	VOP12	0			
A19	VOP13	0			
B19	VOP14	0	R7368 (LEFT)	WF2	FOIL SIDE
F18	VOP15	0			
C19	VOP16	0.6			
A20	VOP17	0			
E19	VOP18	0			
B20	VOP19	0			
E17	VOP22	0			
A17	VOP23	0			
B17	VOP24	0			
C17	VOP25	0			
A18	VOP26	0	R7369 (LEFT)	WF3	FOIL SIDE
F17	VOP27	0			
B18	VOP28	0			
E18	VOP29	0			
A23	MVCLK	1.7	R7370 (LEFT)	WF6	FOIL SIDE
C22	MHSYNC	0	R7372 (LEFT)	WF4	FOIL SIDE
E20	MVSYNC	0	R7371 (RIGHT)	WF5	COMPONENT SIDE
AF13	SDCLK	0	R8208 (RIGHT)	—	FOIL SIDE
AB12	SDDAT0	3.3	R8201 (RIGHT)	—	FOIL SIDE
AE13	SDDAT1	3.3	R8202 (RIGHT)	—	FOIL SIDE
AB13	SDDAT2	3.3	R8203 (RIGHT)	—	FOIL SIDE
AA13	SDDAT3	3.3	R8204 (RIGHT)	—	FOIL SIDE
C5	VI1P28	1.5	WF21	FOIL SIDE	
A4	VI1P29	1.5			
B4	VI1P12	1.7			
C4	VI1P13	1.0			
A3	VI1P14	0			
B3	VI1P15	0			
A2	VI1P16	3.3			
B1	VI1P17	0			
C2	VI1P18	0			
C1	VI1P19	0			
A7	VI1P26	1.5	R5639 (LOWER)	FOIL SIDE	
B7	VI1P4	0			
C7	VI1P5	0			
A6	VI1P6	0			

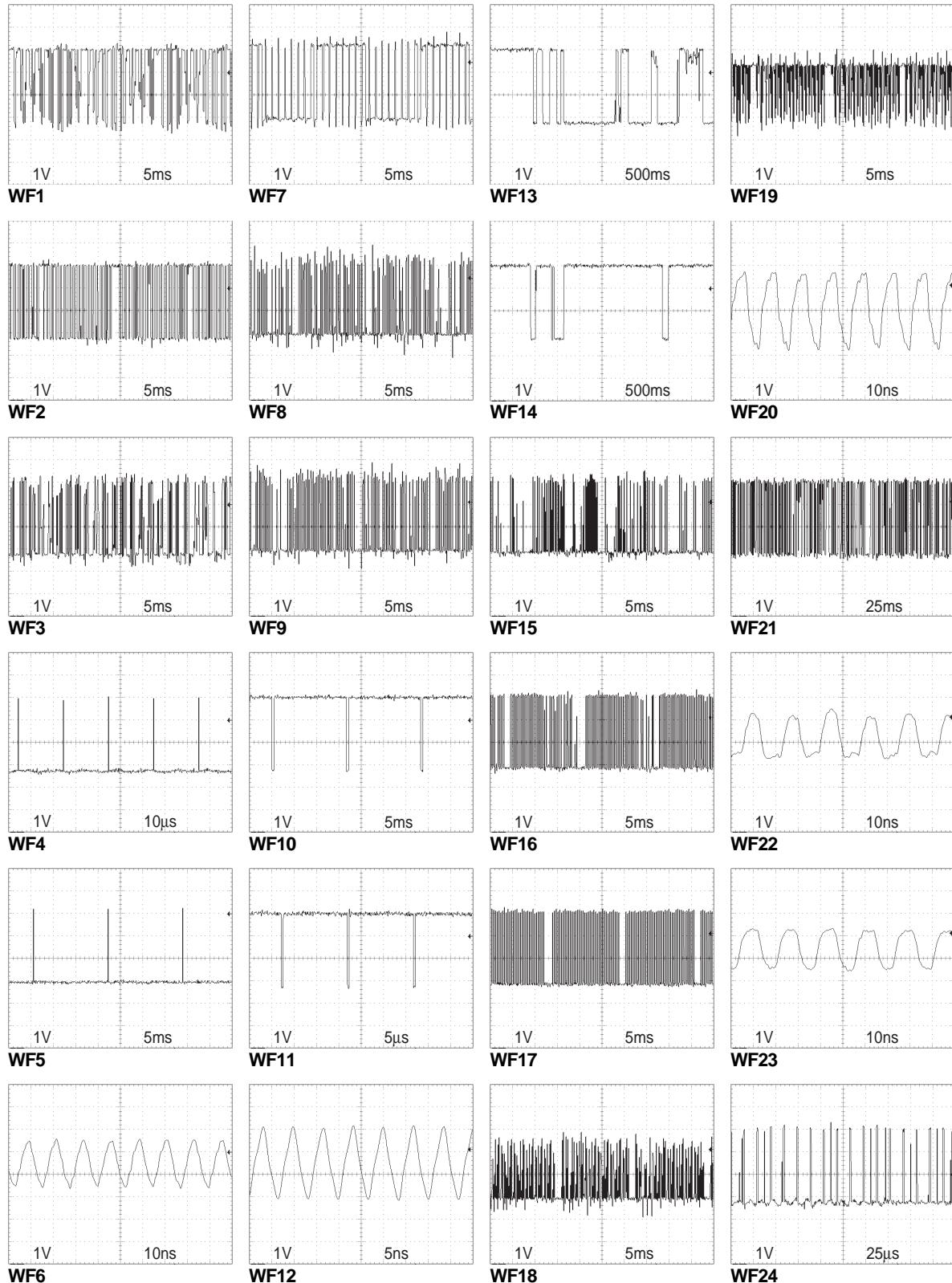
Pin	Name	Voltage	Check Point	WF No.	Remarks
B6	VI1P7	0	R5640 (LOWER)	WF21	FOIL SIDE
C6	VI1P27	0.3			
A5	VI1P8	0			
B5	VI1P9	0			
B10	VI1P2	0.7			
C10	VI1P3	0			
A9	VI1P22	0			
B9	VI1P23	0			
B8	VI1P24	0			
C8	VI1P25	0.8			
A8	VI1CKOUT	0	L5009 (LOWER)	WF22	FOIL SIDE
C9	VI1CLK	1.7	R5636 (LOWER)	WF23	FOIL SIDE
D2	VI1VSYNC	0	R5645 (LOWER)	—	FOIL SIDE
D1	VI1HSYNC	0	R5646 (LOWER)	—	FOIL SIDE
H25	CLK74	1.5	R8091 (RIGHT)	WF35	COMPONENT SIDE
K21	CK27	1.5	R8093 (RIGHT)	WF36	COMPONENT SIDE
AD24	CK27D	1.5	R8093 (RIGHT)	WF36	COMPONENT SIDE
D7					
D8					
D16	VDD33	3.3	L8001 (RIGHT)	—	COMPONENT SIDE
⋮					
etc.					
N10					
P10					
R10	VDD12	1.2	L8002 (RIGHT)	—	COMPONENT SIDE
⋮					
etc.					
K23					
K26					
M21	VDDIO	1.8	L8003 (UPPER)	—	COMPONENT SIDE
⋮					
etc.					
N17					
R17					
T15	VDDR	3.3	L8004 (UPPER)	—	COMPONENT SIDE
⋮					
etc.					
C12	DACVDD1	3.3	L8006 (LEFT)	—	COMPONENT SIDE
E14	DACVDD2				
P16	DPAVDD				
H21	MVVDD				
P3	AGAVDD	3.3	L8009 (LOWER)	—	COMPONENT SIDE

Check Point of IC2501 (Drive P.C.B.)

Pin	Name	Voltage	Check Point	WF No.	Remarks	Pin	Name	Voltage	Check Point	WF No.	Remarks
A8	R1IN4	0	R2939 (UPPER) 	WF24	FOIL SIDE	D21	B2IN11	0	R2945 (UPPER) 	WF25	FOIL SIDE
B8	R1IN6	0				K2	R1OUT2	0.3	L2544 (RIGHT)		
D8	R1IN7	0				K4	R1OUT3	0.2	L2547 (LEFT)		
C8	R1IN5	0				L1	R1OUT4	0.2	L2545 (RIGHT)		
A9	R1IN8	0				L3	R1OUT5	0.6	L2548 (LEFT)		
C9	R1IN9	0				L2	R1OUT6	0.1	L2546 (RIGHT)		
B9	R1IN10	0				L4	R1OUT7	0.8	L2549 (LEFT)		
D9	R1IN11	0				M1	R1OUT8	0	L2505 (RIGHT)		
B14	G1IN6	0				M3	R1OUT9	1.2	L2506 (LEFT)		
D14	G1IN7	0				M2	R1OUT10	0	L2550 (RIGHT)		
A18	G1IN8	0				M4	R1OUT11	0.6	L2553 (LEFT)		
A14	G1IN4	0	R2936 (LEFT) 	WF24	FOIL SIDE	G2	R2OUT2	0.3	L2501 (RIGHT)	WF26	COMPONENT SIDE
C14	G1IN5	0				G4	R2OUT3	0	L2502 (LEFT)		
C18	G1IN9	0				H1	R2OUT4	0	L2538 (RIGHT)		
B18	G1IN10	0				H3	R2OUT5	0	L2541 (LEFT)		
D18	G1IN11	0				H2	R2OUT6	0.1	L2539 (RIGHT)		
D26	B1IN4	0	R2935 (LEFT) 	WF24	FOIL SIDE	H4	R2OUT7	0	L2542 (LOWER)		
D25	B1IN5	0				J1	R2OUT8	0	L2540 (RIGHT)		
E26	B1IN6	0				J3	R2OUT9	0	L2543 (LOWER)		
E25	B1IN7	0				J2	R2OUT10	0.1	L2503 (RIGHT)		
F26	B1IN8	0				J4	R2OUT11	0.7	L2504 (LEFT)		
F24	B1IN9	0	R2934 (LEFT) 	WF24	FOIL SIDE	T2	R3OUT2	0	L2558 (RIGHT)	WF26	COMPONENT SIDE
F25	B1IN10	0				T4	R3OUT3	0	L2561 (LEFT)		
F23	B1IN11	0				U1	R3OUT4	0	L2509 (RIGHT)		
						U3	R3OUT5	0	L2510 (LEFT)		
A5	R2IN4	0	R2939 (UPPER) 	WF25	FOIL SIDE	U2	R3OUT6	0	L2562 (RIGHT)		
B5	R2IN6	0				U4	R3OUT7	0.8	L2565 (RIGHT)		
D5	R2IN7	0				V1	R3OUT8	0	L2563 (RIGHT)		
C5	R2IN5	0				V3	R3OUT9	0.5	L2566 (LEFT)		
A6	R2IN8	0.1				V2	R3OUT10	0	L2564 (RIGHT)		
C6	R2IN9	0.1	R2944 (LEFT) 	WF25	FOIL SIDE	V4	R3OUT11	0.7	L2567 (RIGHT)	WF26	COMPONENT SIDE
B6	R2IN10	0				N2	R4OUT2	0	L2551 (RIGHT)		
D6	R2IN11	0				N4	R4OUT3	0	L2554 (LEFT)		
B11	G2IN6	0				P1	R4OUT4	0	L2552 (RIGHT)		
D11	G2IN7	0.1				P3	R4OUT5	0	L2555 (LEFT)		
A12	G2IN8	0.1	R2943 (LEFT) 	WF25	FOIL SIDE	P2	R4OUT6	0	L2507 (RIGHT)		
A11	G2IN4	0				P4	R4OUT7	0	L2508 (LEFT)		
C11	G2IN5	0				R1	R4OUT8	0	L2556 (RIGHT)		
C12	G2IN9	0				R3	R4OUT9	0.5	L2559 (LEFT)		
B12	G2IN10	0.1				R2	R4OUT10	0	L2557 (RIGHT)		
D12	G2IN11	0	R2942 (LEFT) 	WF25	FOIL SIDE	R4	R4OUT11	0.5	L2560 (LEFT)		
A20	B2IN4	0				AE7	G1OUT2	1.4	L2581 (UPPER)	WF27	COMPONENT SIDE
C20	B2IN5	0				AC7	G1OUT3	1.3	L2516 (UPPER)		
B20	B2IN6	0				AF8	G1OUT4	0.1	L2582 (UPPER)		
D20	B2IN7	0				AD8	G1OUT5	0	L2583 (UPPER)		
A21	B2IN8	0.1	R2941 (LEFT) 	WF25	FOIL SIDE	AE8	G1OUT6	0	L2517 (UPPER)		
C21	B2IN9	0.1				AC8	G1OUT7	0	L2584 (UPPER)		
B21	B2IN10	0				AF9	G1OUT8	0	L2586 (UPPER)		
						AD9	G1OUT9	0.5	L2585 (UPPER)		

Pin	Name	Voltage	Check Point	WF No.	Remarks	Pin	Name	Voltage	Check Point	WF No.	Remarks
AE9	G1OUT10	0	L2587 (UPPER)	WF27	COMPONENT SIDE	P26	B3OUT2	0.9	L2432 (LEFT)	WF28	COMPONENT SIDE
AC9	G1OUT11	0.6	L2518 (UPPER)		FOIL SIDE	P24	B3OUT3	0.3	L2436 (RIGHT)		FOIL SIDE
AE3	G2OUT2	1.4	L2513 (UPPER)		COMPONENT SIDE	P25	B3OUT4	0	L2433 (LEFT)		COMPONENT SIDE
AE4	G2OUT3	0	L2574 (UPPER)		COMPONENT SIDE	P23	B3OUT5	0	L2437 (RIGHT)		FOIL SIDE
AF5	G2OUT4	0	L2575 (UPPER)		COMPONENT SIDE	N26	B3OUT6	0	L2435 (LEFT)		COMPONENT SIDE
AD5	G2OUT5	0	L2514 (UPPER)		FOIL SIDE	N24	B3OUT7	0	L2438 (LOWER)		FOIL SIDE
AE5	G2OUT6	0	L2576 (UPPER)		COMPONENT SIDE	N25	B3OUT8	0	L2534 (LEFT)		COMPONENT SIDE
AC5	G2OUT7	0	L2577 (UPPER)		FOIL SIDE	N23	B3OUT9	0	L2535 (LEFT)		COMPONENT SIDE
AF6	G2OUT8	0	L2515 (UPPER)		COMPONENT SIDE	M26	B3OUT10	0	L2439 (LEFT)		COMPONENT SIDE
AD6	G2OUT9	0.5	L2578 (UPPER)		FOIL SIDE	M24	B3OUT11	0.5	L2442 (LEFT)		COMPONENT SIDE
AE6	G2OUT10	0	L2580 (UPPER)		COMPONENT SIDE	U26	B4OUT2	0.9	L2530 (LEFT)	WF28	COMPONENT SIDE
AC6	G2OUT11	0.5	L2579 (UPPER)		FOIL SIDE	U24	B4OUT3	0.3	L2531 (RIGHT)		FOIL SIDE
AE13	G3OUT2	1.4	L2521 (UPPER)	WF27	COMPONENT SIDE	U25	B4OUT4	0	L2426 (LEFT)		COMPONENT SIDE
AC13	G3OUT3	1.3	L2596 (UPPER)		FOIL SIDE	U23	B4OUT5	0	L2429 (RIGHT)		FOIL SIDE
AF14	G3OUT4	0	L2598 (UPPER)		COMPONENT SIDE	T26	B4OUT6	0	L2427 (LEFT)		COMPONENT SIDE
AD14	G3OUT5	0	L2597 (UPPER)		FOIL SIDE	T24	B4OUT7	0	L2430 (RIGHT)		FOIL SIDE
AE14	G3OUT6	0	L2599 (UPPER)		COMPONENT SIDE	T25	B4OUT8	0	L2428 (LEFT)		COMPONENT SIDE
AC14	G3OUT7	0.1	L2522 (UPPER)		FOIL SIDE	T23	B4OUT9	0.6	L2431 (RIGHT)		FOIL SIDE
AF15	G3OUT8	0	L2401 (UPPER)		COMPONENT SIDE	R26	B4OUT10	0	L2532 (LEFT)		COMPONENT SIDE
AD15	G3OUT9	0.6	L2402 (UPPER)		FOIL SIDE	R24	B4OUT11	0.6	L2533 (RIGHT)		FOIL SIDE
AE15	G3OUT10	0	L2403 (UPPER)		COMPONENT SIDE	W3	SHCLKR1	1.7	L2512 (UPPER)	WF29	FOIL SIDE
AC15	G3OUT11	0	L2404 (UPPER)		FOIL SIDE	W4	SHCLKR2	1.7	L2572 (UPPER)	WF29	FOIL SIDE
AE10	G4OUT2	1.4	L2588 (UPPER)	WF27	COMPONENT SIDE	W1	SHCLKRN1	1.6	L2571 (UPPER)	WF29	FOIL SIDE
AC10	G4OUT3	1.3	L2589 (UPPER)		FOIL SIDE	W2	SHCLKRN2	1.6	L2573 (UPPER)	WF29	FOIL SIDE
AF11	G4OUT4	0.2	L2519 (UPPER)		COMPONENT SIDE	AD16	SHCLKG1	1.6	L2524 (UPPER)	WF29	FOIL SIDE
AD11	G4OUT5	0	L2590 (UPPER)		FOIL SIDE	AC16	SHCLKG2	1.6	L2409 (UPPER)	WF29	FOIL SIDE
AE11	G4OUT6	0	L2592 (UPPER)		COMPONENT SIDE	AF16	SHCLKGN1	0	L2408 (UPPER)	WF29	FOIL SIDE
AC11	G4OUT7	0	L2591 (UPPER)		FOIL SIDE	AE16	SHCLKGN2	1.6	L2410 (UPPER)	WF29	FOIL SIDE
AF12	G4OUT8	0	L2593 (UPPER)		COMPONENT SIDE	L24	SHCLKB1	1.6	L2444 (RIGHT)	WF29	FOIL SIDE
AD12	G4OUT9	0.5	L2520 (UPPER)		FOIL SIDE	L23	SHCLKB2	1.7	L2443 (RIGHT)	WF29	FOIL SIDE
AE12	G4OUT10	0	L2594 (UPPER)		COMPONENT SIDE	L26	SHCLKBN1	1.7	L2441 (RIGHT)	WF29	FOIL SIDE
AC12	G4OUT11	0	L2595 (UPPER)		FOIL SIDE	L25	SHCLKBN2	1.6	L2440 (RIGHT)	WF29	FOIL SIDE
Y26	B1OUT2	0.9	L2416 (LEFT)	WF28	COMPONENT SIDE	A24	HSYNC	3.3	TP2901	WF30	COMPONENT SIDE
Y24	B1OUT3	0.5	L2419 (RIGHT)		FOIL SIDE	C26	VSYNC	3.3	TP2902	WF31	COMPONENT SIDE
Y25	B1OUT4	0.1	L2528 (LEFT)		COMPONENT SIDE	A16	DCLK	1.8	TP2903	WF32	COMPONENT SIDE
Y23	B1OUT5	0.6	L2529 (RIGHT)		FOIL SIDE	C25	SCLK	0	R2539 (LEFT)	WF33	COMPONENT SIDE
W26	B1OUT6	0	L2420 (LEFT)		COMPONENT SIDE	E24	SDATA	3.0	R2538 (RIGHT)	WF34	FOIL SIDE
W24	B1OUT7	0	L2423 (RIGHT)		FOIL SIDE	D17	RESET	3.4	CN2901-41	—	FOIL SIDE
W25	B1OUT8	0	L2421 (LEFT)		COMPONENT SIDE	E13					
W23	B1OUT9	0.6	L2424 (RIGHT)		FOIL SIDE	E14					
V26	B1OUT10	0	L2422 (LEFT)		COMPONENT SIDE	E15	VDD33	3.3	TP2706	—	COMPONENT SIDE
V24	B1OUT11	0.6	L2425 (RIGHT)		FOIL SIDE	⋮					
AD26	B2OUT2	0.9	L2525 (LEFT)	WF28	COMPONENT SIDE	E7					
AD25	B2OUT3	0.3	L2411 (LEFT)		COMPONENT SIDE	E8					
AC26	B2OUT4	0.1	L2412 (LEFT)		COMPONENT SIDE	E9	VDD10	1.0	TP2711	—	COMPONENT SIDE
AC25	B2OUT5	0	L2413 (LEFT)		COMPONENT SIDE	⋮					
AB26	B2OUT6	0	L2526 (LEFT)		COMPONENT SIDE	etc.					
AB24	B2OUT7	0.2	L2527 (RIGHT)		FOIL SIDE						
AB25	B2OUT8	0	L2414 (LEFT)		COMPONENT SIDE						
AB23	B2OUT9	1.2	L2417 (RIGHT)		FOIL SIDE						
AA26	B2OUT10	0	L2415 (LEFT)		COMPONENT SIDE						
AA24	B2OUT11	0.7	L2418 (RIGHT)		FOIL SIDE						

11.2. WAVEFORM TABLE

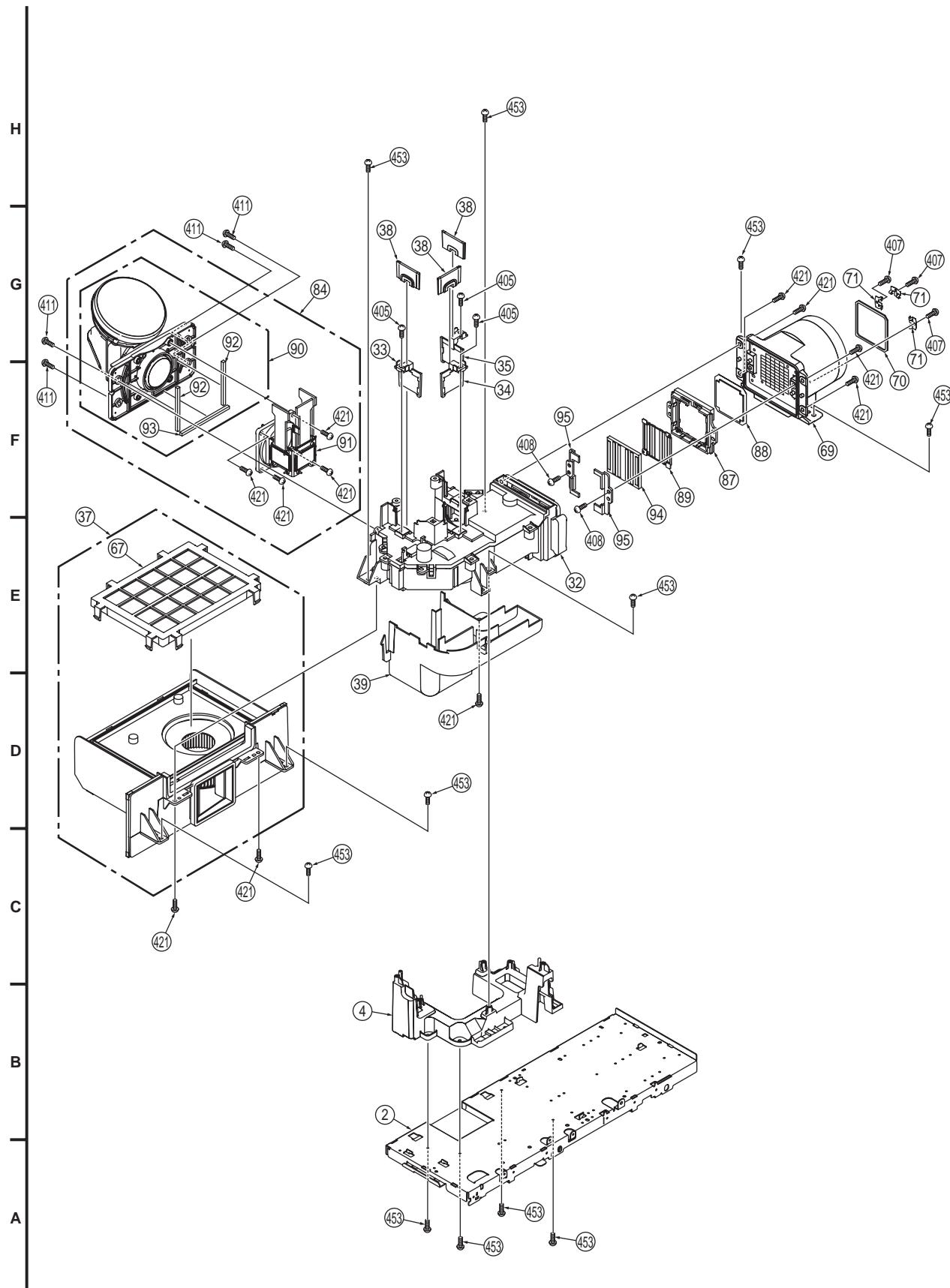




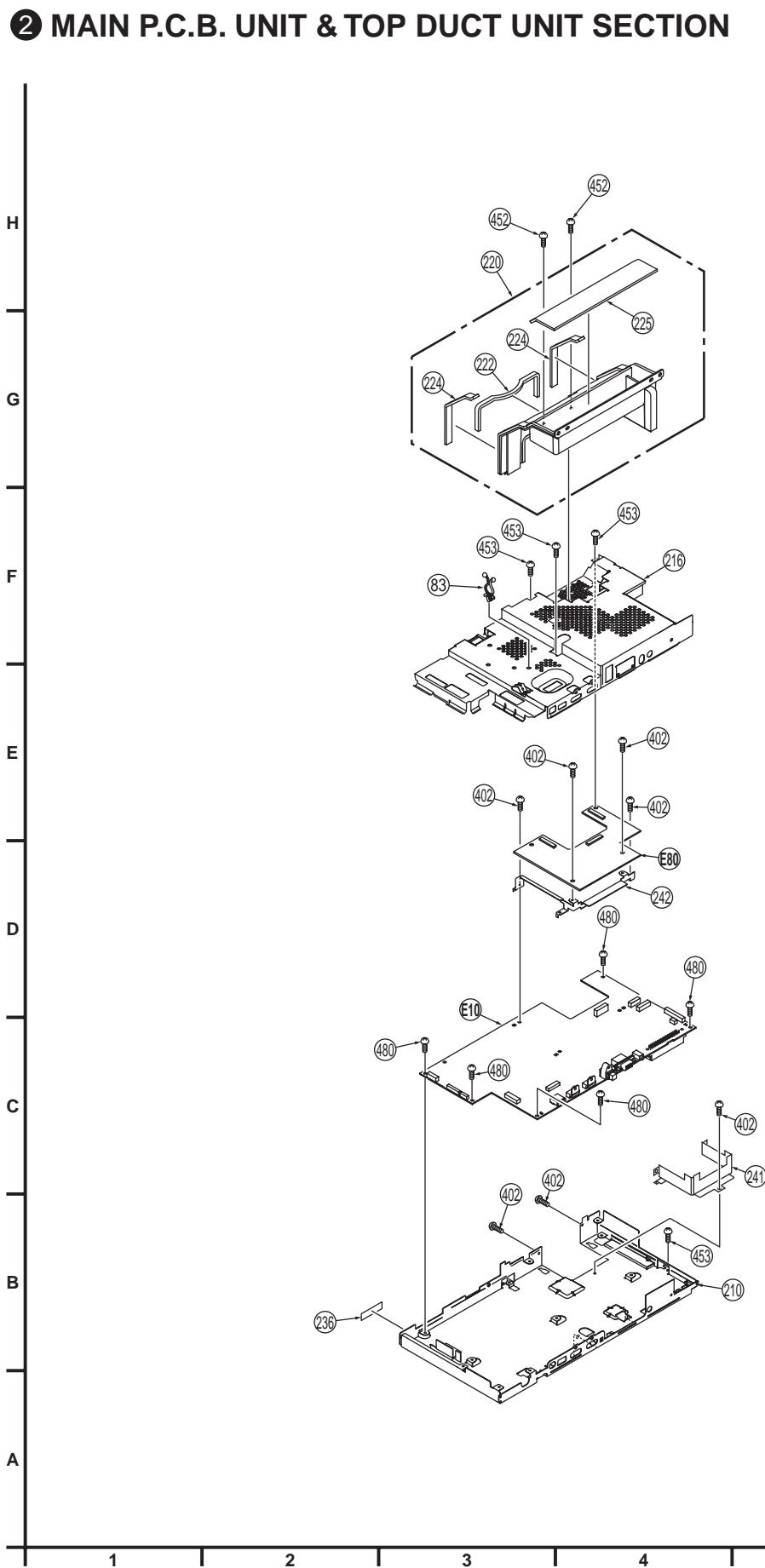
12 Exploded Views

12.1. OPTICAL UNIT SECTION

① OPTICAL UNIT SECTION



12.2. MAIN P.C.B. UNIT AND TOP DUCT UNIT SECTION



13 Replacement Parts List

BEFORE REPLACING PARTS, READ THE FOLLOWING:

13.1. REPLACEMENT NOTES

13.1.1. General Notes

1. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list.

2. **IMPORTANT SAFETY NOTICE**

Components identified by the sign  have special characteristics important for safety. When replacing any of these components, use only the specified parts.

3. **SPECIAL NOTE**

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

4. Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.

5. Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.

6. Definition of Parts supplier:

a. Parts with mark "PSEC" in the Remarks column are supplied from PSEC.

b. Parts without mark in the Remarks column are supplied from PASC-NPC.

7. Item numbers with capital letter E (Example: E10, E20,...) in the Ref. No. column are shown in the exploded views.

8. Parts whose Ref. Nos. are the same are interchangeable as replacement parts. Any of these parts may be ordered and used as a replacement part.

13.1.2. Mechanical Replacement Notes

1. Section No. of parts shown in Exploded Views are indicated in the Remarks column.

2. Abbreviation

RTL: Retention Time Limited

This indicates that the retention time is limited for this item. After the discontinuation of this item in production, it will no longer be available.

3. After replacing the LCD/Prism Unit (Ref. No. 91), be sure to perform the following adjustment in order.

a. Polarizer Adjustment

b. VCOM Adjustment

c. White Balance Adjustment

For above adjustments, refer to "Adjustment Procedures 2."

4. After replacing the Polarizer Red Unit (Ref. No. 33), the Polarizer Green Unit (Ref. No. 34), or the Polarizer Blue Unit (Ref. No. 35), be sure to perform the "POLARIZER

ADJUSTMENT" in Adjustment Procedures 2 section.

13.1.3. Electrical Replacement Notes

1. Unless otherwise specified;

All resistors are in Ω , K = 1,000 Ω , M = 1,000 k Ω .

2. Abbreviation

RTL:

Retention Time Limited

This indicates that the retention time is limited for this item. After the discontinuation of this item in production, it will no longer be available.

NR:

Non Repairable Board Ass'y

MGF CHIP: Metal Glaze Film Chip

C CHIP: Ceramic Chip

COMPLX CMP: Complex Component

W FLMPRF: Wirewound Flameproof

C.B.A.: Circuit Board Assembly

P.C.B.: Printed Circuit Board

E.S.D.: Electrostatically Sensitive Devices

3. When replacing 0 Ω resistor, a wire can be substituted for it.

4. Parts with mark "CSP" in the Remarks column are CSP (Chip Size Package) IC.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PT-50LCZ70	A
PT-56LCZ70	B
PT-61LCZ70	C
PT-50LCZ7	D
PT-56LCZ7	E
PT-61LCZ7	F
PT-50LCZ70-K	G
PT-56LCZ70-K	H
PT-61LCZ70-K	I

13.2. MECHANICAL REPLACEMENT PARTS LIST

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PT-50LCZ70	A
PT-56LCZ70	B
PT-61LCZ70	C
PT-50LCZ7	D
PT-56LCZ7	E
PT-61LCZ7	F
PT-50LCZ70-K	G
PT-56LCZ70-K	H
PT-61LCZ70-K	I

Definition of Parts supplier:

- Parts with mark "PSEC" in the Remarks column are supplied from PSEC.
- Parts without mark in the Remarks column are supplied from PASC-NPC.

MECHANICAL REPLACEMENT PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
2	LSMA0990	ENGINE BASE SHIELD	1
4	LSMP0567	ENGINE SUPPORT PIECE	1
32	LSXA0859	OPTICAL SEPARATION UNIT	1 PSEC
33	LSXA0862	POLARIZER RED UNIT	1 PSEC
34	LSXA0863	POLARIZER GREEN UNIT	1 PSEC
35	LSXA0864	POLARIZER BLUE UNIT	1 PSEC
37	LSXA0866	FAN CASE UNIT	1 PSEC
38	LSXA0911	JOINT PIECE UNIT	1 PSEC
39	LSMP0555	COOLING DUCT	1 PSEC
67	LSXA0865	FAN FRAME UNIT	1 PSEC
69	LSQV0118	INTEGRATOR HOLDER UNIT	1 PSEC
70	LSDL0435	INTEGRATOR 1	1 PSEC
71	LSMA0994	INTEGRATOR 1 SPRING	1 PSEC
83	TMM5439-1	CLAMPER	2 PSEC
84	LSXA0901	OPTICAL BLOCK UNIT (A,B,D,E,G,H)	1 PSEC
84	LSXA0906	OPTICAL BLOCK UNIT (C,F,I)	1 PSEC
87	LSMP0557	PS HOLDER	1 PSEC
88	LSDL0437	INTEGRATOR 2	1 PSEC
89	LSMA0993	AL MASK	1 PSEC
90	LSXA0909	PROJECTION LENS (A,B,D,E,G,H)	1 PSEC
90	LSXA0908	PROJECTION LENS (C,F,I)	1 PSEC
91	LSXA0913	LCD/PRISM UNIT	1 PSEC
92	LSMF0554	PROJECTION LENS SPONGE 1	1 PSEC
93	LSMF0555	PROJECTION LENS SPONGE 2	1 PSEC
94	LSDL0434	P/S CONVERTER	1 PSEC
95	LSMA1013	PS SPRING	1 PSEC
210	LSSC0966	MAIN P.C.B., SHIELD CASE BOTTOM	2
216	LSSC0967	MAIN P.C.B. SHILDE CASE TOP	2
220	LSXA0912	TOP DUCT UNIT	2 PSEC
222	LSMF0558	TOP DUCT SPONGE 1	2 PSEC
224	LSMF0559	TOP DUCT SPONGE 2	2 PSEC
225	LSMF0557	TOP FILTER	2 PSEC
236	LSMF0367	SHEET, NYLON-RAYON	2
241	LSSC0989	MAIN SUPPORT SHIELD CASE	2
242	LSMA1015	DRIVE SUPPORT SHIELD	2
402	XTV3+8JFJ	TAPPING SCREW, STEEL	2
405	XTN26+6GFJ	SCREW, STEEL	1 PSEC

Ref. No.	Part No.	Part Name & Description	Remarks
407	XYN2+J4FJK	SCREW, STEEL	1 PSEC
408	XYN3+J8FJK	SCREW, STEEL	1 PSEC
411	XYC3+FG10FJ	SCREW	1 PSEC
421	XTV3+8GFJ	TAPPING SCREW, STEEL	1
452	XTV3+8FFJ	TAPPING SCREW, STEEL	2
453	XTV3+10JFJ	TAPPING SCREW, STEEL	1,2
480	XYE3+EJ8FJ	SCREW W/WASHER, STEEL	2
E10	LSEP3234A	MAIN P.C.B.	2 RTL
E80	LSEP3235A	DRIVE P.C.B.	2 RTL

13.3. SERVICE FIXTURES AND TOOLS REPLACEMENT PARTS LIST

Definition of Parts supplier:

- All parts are supplied from PSEC.

SERVICE FIXTURES AND TOOLS

Ref. No.	Part No.	Part Name & Description	Remarks
	LSEP3240A	Relay PCB (LCD Panel)	PSEC
	LSUA0062	LCD PANEL FLAT EXTENSION CABLE	PSEC
	LSUA0039	Fan Extension Cable	PSEC
	LSUA0063	7 Pin Extension Cable	PSEC
	LSUA0065	Thermal Fuse Defeat Cable	PSEC
	LSUA0067	4 Pin Extension Cable	PSEC
	LSEP3244A	Relay PCB (Drive side)	PSEC
	LSEP3245A	Relay PCB (Main side)	PSEC
	LSJA0582	12 Pin Extension Cable	PSEC
	K1PY31Y00003	LVDS Cable	PSEC
	LSUA0043	RS232C I/F Tool	PSEC
	LSUA0064	7 Pin Extension Cable	PSEC
	LSUA0068	8 Pin Extension Cable	PSEC
	LSUA0069	Relay PCB (Adjustment)	PSEC

13.4. ELECTRICAL REPLACEMENT PARTS LIST

Definition of Parts supplier:

- All parts are supplied from PASE-NPC.

PRINTED CIRCUIT BOARD ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Remarks
E10	LSEP3234A	MAIN P.C.B.	2 RTL
E80	LSEP3235A	DRIVE P.C.B.	2 RTL

13.4.1. MAIN P.C.B.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC1101	C0BBBA000022	IC, LINEAR	
IC1102	C0BBBA000022	IC, LINEAR	
IC1103	C0DBAYY00219	IC, LINEAR	
IC1104	C0DBAYY00219	IC, LINEAR	
IC1105	C0DBEYY00022	IC, LINEAR	
IC1106	C0CBCCD00004	IC, LINEAR	
IC1107	C0DBEYY00022	IC, LINEAR	
IC1108	C0CBCBC00130	IC, LINEAR	
IC1201	C0DBAYY00219	IC, LINEAR	
IC1202	C0DBAYY00219	IC, LINEAR	
IC1205	C0BBBA000022	IC, LINEAR	
IC3001	AN15876A-VT	ICS FOR VIDEO / AUDIO	
IC3002	C0JBAB000832	IC, LOGIC	E.S.D.
IC4001	C1AB00002747	IC, LINEAR	
IC4002	C0CBCBD00048	IC, LINEAR	

Ref. No.	Part No.	Part Name & Description	Remarks
IC4003	C0ABBB000230	IC, LINEAR	
IC4004	C0DBFFD00003	IC, LINEAR	
IC4501	C1AB00002730	IC, LINEAR	
IC5500	LSSK0119	IC, EEPROM	E.S.D.
IC5501	LSSK0118	IC, EEPROM	E.S.D.
IC5503	C1AB00002641	IC, LINEAR	
IC5504	LSSK0111	IC, EEPROM	E.S.D.
IC5506	C0DBGGF00001	IC, LINEAR	
IC5508	C0CBCAD00015	IC, LINEAR	
IC5509	C0CBCAD00082	IC, LINEAR	
IC5510	C1AB00002753	IC, LINEAR	
IC5511	C0JBAS000258	IC, LOGIC	E.S.D.
IC5512	C0JBAS000258	IC, LOGIC	E.S.D.
IC6002	C0EBY0000341	IC, LINEAR	
IC6003	C0EBY0000341	IC, LINEAR	
IC6004	LSSK0123	IC, 32BIT MICROCONTROLLER	E.S.D.
IC6005	C3EBJC000061	IC, EEPROM	E.S.D.
IC7101	MN84525	IC, LINEAR	CSP
IC7103	C3EBJC000061	IC, EEPROM	E.S.D.
IC7104	C0DBGYY00284	IC, LINEAR	
IC7105	C0DBGYY00285	IC, LINEAR	
IC7106	C3ZBN0000026	IC, P2ROM	
IC7109	C0CBCAF00031	IC, LINEAR	
IC7110	C0CBCAF00031	IC, LINEAR	
IC7111	C0DBEKG00004	IC, LINEAR	
IC7112	C0CBCYE00001	IC, LINEAR	
IC7113	LSSK0124	IC, CMOS STANDARD LOGIC	E.S.D.
IC7115	C0DBGYY00284	IC, LINEAR	
IC7116	C0EBD0000368	IC, LINEAR	
IC7117	C3ABQJ000055	IC, D RAM	E.S.D. CSP
IC7119	C1ZBZ0003563	IC, CMOS STANDARD LOGIC	E.S.D. CSP
IC8001	MN2WS0039A	ICS FOR VIDEO / AUDIO	CSP
IC8004	C0ZBZ0001030	IC, LINEAR	
IC8005	C0EBM0000055	IC, LINEAR	
IC8201	LSSK0121	IC, EEPROM	E.S.D.
IC8202	C3ABSG000039	IC, D RAM	E.S.D. CSP
IC8203	C3ABSG000039	IC, D RAM	E.S.D. CSP
IC8404	LSSK0122	IC, FLASH MEMORY	E.S.D.
IC8802	MN848435	ICS FOR VIDEO / AUDIO	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q1102	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q1102	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q1102	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q1106	B1CHPD000003	TRANSISTOR FET	
Q1107	B1CHPD000003	TRANSISTOR FET	
Q1201	B1CHPD000003	TRANSISTOR FET	
Q1202	B1CHPD000003	TRANSISTOR FET	
Q3004	B1MBACA00006	TRANSISTOR SI NPN CHIP	
Q4001	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q4001	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q4001	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4002	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q4002	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q4002	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4501	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q4501	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q4501	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4502	2SB1218A0L	TRANSISTOR SI PNP CHIP	
or Q4502	B1ADCF000063	TRANSISTOR SI PNP CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
or Q4502	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q4503	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q4503	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q4503	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4504	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q4504	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q4504	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4505	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q4505	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q4505	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4506	2SB1218A0L	TRANSISTOR SI PNP CHIP	
or Q4506	B1ADCF000063	TRANSISTOR SI PNP CHIP	
or Q4506	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q4507	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q4507	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q4507	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4508	2SB1218A0L	TRANSISTOR SI PNP CHIP	
or Q4508	B1ADCF000063	TRANSISTOR SI PNP CHIP	
or Q4508	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q5500	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5500	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5500	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5501	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5501	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5501	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5502	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5502	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5502	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5503	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5503	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5503	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5504	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5504	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5504	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5505	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5505	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5505	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5506	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5506	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5506	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5507	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5507	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5507	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5508	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5508	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5508	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5509	2SA207700L	TRANSISTOR SI PNP CHIP	
Q5510	2SA207700L	TRANSISTOR SI PNP CHIP	
Q5511	2SA207700L	TRANSISTOR SI PNP CHIP	
Q5512	2SA207700L	TRANSISTOR SI PNP CHIP	
Q5513	2SA207700L	TRANSISTOR SI PNP CHIP	
Q5514	B1DHDC00028	TRANSISTOR SI FET CHIP	
Q5515	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5515	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q5515	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q6003	2SA207700L	TRANSISTOR SI PNP CHIP	
or Q6003	2SB1218AHL	TRANSISTOR SI PNP CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
or Q6005	B1ADCF000063	TRANSISTOR SI PNP CHIP	
or Q6005	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q6008	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q6008	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q6008	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q6009	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q6009	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q6009	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q6010	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q6010	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q6010	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q6017	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q6017	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q6017	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q6018	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q6018	B1ABCF000020	TRANSISTOR SI NPN CHIP	
or Q6018	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q8803	B1MBACA00006	TRANSISTOR SI NPN CHIP	
Q8804	2SB21218AHL	TRANSISTOR SI PNP CHIP	
or Q8804	B1ADCF000063	TRANSISTOR SI PNP CHIP	
or Q8804	B1ADCF000075	TRANSISTOR SI PNP CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D1101	MA2J111008	DIODE SI CHIP	
or D1101	B0ACCK000005	DIODE SI CHIP	
or D1101	MA2J11100L	DIODE SI CHIP	
D1102	MA2J72900L	DIODE SI CHIP	
D1103	MAZ80680ML	DIODE ZENER CHIP 6.8V	
D1104	MA2J111008	DIODE SI CHIP	
or D1104	B0ACCK000005	DIODE SI CHIP	
or D1104	MA2J11100L	DIODE SI CHIP	
D1105	MA2J111008	DIODE SI CHIP	
or D1105	B0ACCK000005	DIODE SI CHIP	
or D1105	MA2J11100L	DIODE SI CHIP	
D1106	MAZ80330HL	DIODE ZENER CHIP 6.3V	
D1107	MA24D5400B	SCHOTTKY BARRIER DIODES	
D1108	MA24D5400B	SCHOTTKY BARRIER DIODES	
D1110	MA24D5400B	SCHOTTKY BARRIER DIODES	
D1111	MA2J111008	DIODE SI CHIP	
or D1111	B0ACCK000005	DIODE SI CHIP	
or D1111	MA2J11100L	DIODE SI CHIP	
D1112	MAZ80330HL	DIODE ZENER CHIP 6.3V	
D1113	MA2J111008	DIODE SI CHIP	
or D1113	B0ACCK000005	DIODE SI CHIP	
or D1113	MA2J11100L	DIODE SI CHIP	
D1114	MAZ80330HL	DIODE ZENER CHIP 6.3V	
D1117	MA24D5400B	SCHOTTKY BARRIER DIODES	
D1201	MA24D5400B	SCHOTTKY BARRIER DIODES	
D1202	MA24D5400B	SCHOTTKY BARRIER DIODES	
D1207	MA2J111008	DIODE SI CHIP	
or D1207	B0ACCK000005	DIODE SI CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
or D1207	MA2J11100L	DIODE SI CHIP	
D1208	MAZ80330HL	DIODE ZENER CHIP 6.3V	
D1209	MA2J111008	DIODE SI CHIP	
or D1209	B0ACCK000005	DIODE SI CHIP	
or D1209	MA2J11100L	DIODE SI CHIP	
D1210	MAZ80330HL	DIODE ZENER CHIP 6.3V	
D3007	MAZ80620ML	DIODE ZENER CHIP 6.2V	
D3008	MAZ80620ML	DIODE ZENER CHIP 6.2V	
D4001	B3RAE0000030	IC, LINEAR	
D4501	MAZ81300ML	DIODE ZENER CHIP 13V	
D4503	MA3X152DOL	DIODE SI CHIP	
D4504	MAZ80330HL	DIODE ZENER CHIP 6.3V	
D4505	MA3X152EOL	DIODE SI CHIP	
or D4505	B0ADCJ000007	DIODE SI CHIP	
D5500	EZAEG2A50AX	OTHER FILTERS	
D5501	EZAEG2A50AX	OTHER FILTERS	
D5502	EZAEG2A50AX	OTHER FILTERS	
D5503	EZAEG2A50AX	OTHER FILTERS	
D5504	EZAEG2A50AX	OTHER FILTERS	
D5505	EZAEG2A50AX	OTHER FILTERS	
D5506	EZAEG2A50AX	OTHER FILTERS	
D5507	EZAEG2A50AX	OTHER FILTERS	
D5508	EZAEG2A50AX	OTHER FILTERS	
D5509	EZAEG2A50AX	OTHER FILTERS	
D5510	EZAEG2A50AX	OTHER FILTERS	
D5511	EZAEG2A50AX	OTHER FILTERS	
D5512	EZAEG2A50AX	OTHER FILTERS	
D5513	MAZ80560ML	DIODE ZENER CHIP 5.6V	
D5514	EZAEG2A50AX	OTHER FILTERS	
D5515	MAZ80560ML	DIODE ZENER CHIP 5.6V	
D5516	EZAEG2A50AX	OTHER FILTERS	
D5517	EZAEG2A50AX	OTHER FILTERS	
D5518	EZAEG2A50AX	OTHER FILTERS	
D5519	EZAEG2A50AX	OTHER FILTERS	
D5520	EZAEG2A50AX	OTHER FILTERS	
D5521	EZAEG2A50AX	OTHER FILTERS	
D5522	EZAEG2A50AX	OTHER FILTERS	
D5523	EZAEG2A50AX	OTHER FILTERS	
D5524	MA22F2000L	SMALL CAPACITY SILICON RECTIFIER DIODES	
D5525	MA22F2000L	SMALL CAPACITY SILICON RECTIFIER DIODES	
D5526	MA22F2000L	SMALL CAPACITY SILICON RECTIFIER DIODES	
D5527	MA22F2000L	SMALL CAPACITY SILICON RECTIFIER DIODES	
D5528	EZAEG2A50AX	OTHER FILTERS	
D6002	MA2J111008	DIODE SI CHIP	
or D6002	B0ACCK000005	DIODE SI CHIP	
D6003	MA2J111008	DIODE SI CHIP	
or D6003	B0ACCK000005	DIODE SI CHIP	
or D6003	MA2J11100L	DIODE SI CHIP	
D6004	MA2J111008	DIODE SI CHIP	
or D6004	B0ACCK000005	DIODE SI CHIP	
or D6004	MA2J11100L	DIODE SI CHIP	
D6005	B0JCCE000008	DIODE SI CHIP	
D6019	B0JCCE000008	DIODE SI CHIP	
D8801	LNJ208R8ARA	LIGHT EMITTING DIODE	
D8802	LNJ208R8ARA	LIGHT EMITTING DIODE	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R1105	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R1107	ERJ6GEY0R00V	MGF CHIP 1/10W 0	

Ref. No.	Part No.	Part Name & Description	Remarks
R1108	ERJ6GEYJ0R00V	MGF CHIP 1/10W 0	
R1111	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R1112	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R1113	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1114	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R1115	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	
R1116	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R1117	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R1118	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1119	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R1120	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1121	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1122	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1123	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1125	ERJ3GEYJ124V	MGF CHIP 1/16W 120K	
R1128	D1BDR082A042	MGF CHIP 1/10W 82	
R1129	ERA3YED103V	MGF CHIP 1/16W 10K	
R1130	ERA3YED332V	MGF CHIP 1/16W 3.3K	
R1131	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R1132	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R1133	ERA3YED182V	MGF CHIP 1/16W 1.8K	
R1134	ERA3YED332V	MGF CHIP 1/16W 3.3K	
R1135	D1BDR082A042	MGF CHIP 1/10W 82	
R1136	D1BDR082A042	MGF CHIP 1/10W 82	
R1139	D1BDR082A042	MGF CHIP 1/10W 82	
R1140	ERA3YED751V	MGF CHIP 1/16W 750	
R1141	ERA3YED751V	MGF CHIP 1/16W 750	
R1142	ERA3YED332V	MGF CHIP 1/16W 3.3K	
R1143	ERA3YED102V	MGF CHIP 1/16W 1K	
R1144	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R1145	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R1148	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1149	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1152	ERJ3GEYJ303V	MGF CHIP1/16W 30K	
R1153	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R1154	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R1159	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R1160	ERJ3GEYJ303V	MGF CHIP1/16W 30K	
R1161	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R1163	ERA3YED751V	MGF CHIP 1/16W 750	
R1165	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1166	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R1169	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R1171	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R1202	D1BDR082A042	MGF CHIP 1/10W 82	
R1203	ERA3YED103V	MGF CHIP 1/16W 10K	
R1204	ERA3YED332V	MGF CHIP 1/16W 3.3K	
R1205	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R1206	ERJ3GEYJ271V	MGF CHIP 1/16W 270	
R1207	ERA3YED182V	MGF CHIP 1/16W 1.8K	
R1208	D1BDR082A042	MGF CHIP 1/10W 82	
R1209	D1BDR082A042	MGF CHIP 1/10W 82	
R1210	D1BDR082A042	MGF CHIP 1/10W 82	
R1212	ERJ3GEYJ303V	MGF CHIP1/16W 30K	
R1213	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R1215	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R1216	ERJ3GEYJ303V	MGF CHIP1/16W 30K	
R1217	ERA3YED332V	MGF CHIP 1/16W 3.3K	
R1224	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R1225	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R1227	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R1229	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	
R1233	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1234	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R1238	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R1239	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R1241	ERJ6GEYJ0R00V	MGF CHIP 1/10W 0	
R1242	ERJ6GEYJ0R00V	MGF CHIP 1/10W 0	
R1243	ERJ6GEYJ0R00V	MGF CHIP 1/10W 0	
R1244	ERJ6GEYJ0R00V	MGF CHIP 1/10W 0	
R3003	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3004	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3005	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	

Ref. No.	Part No.	Part Name & Description	Remarks
R3006	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R3007	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3008	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R3009	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R3010	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3011	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3012	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R3013	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3014	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R3015	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R3016	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R3017	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3018	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3019	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3020	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3021	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3022	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3023	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3024	ERJ3GEYJ221V	MGF CHIP 1/16W 220	
R3025	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R3026	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R3027	ERJ3GEYJ221V	MGF CHIP 1/16W 220	
R3028	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R3029	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3035	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3036	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3041	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3042	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3043	ERJ3EKF75R0V	MGF CHIP 1/16W 75	
R3048	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3049	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3050	ERJ3EKF75R0V	MGF CHIP 1/16W 75	
R3051	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R3052	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R3053	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R3054	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R3055	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R3056	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R3057	ERJ3EKF75R0V	MGF CHIP 1/16W 75	
R3058	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R3059	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R3060	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R3061	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R3062	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R3063	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R3064	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R3065	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R3066	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R3067	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R3068	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R3069	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R3070	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R3071	ERJ3EKF75R0V	MGF CHIP 1/16W 75	
R3072	ERJ3EKF1000V	MGF CHIP 1/16W 100	
R3073	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R3074	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R3075	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R3076	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R3077	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R3078	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R3082	ERJ3GEYJ0R00V	MGF CHIP 1/16W 0	
R3085	ERJ3GEYJ184V	MGF CHIP 1/16W 180K	
R3086	ERJ3GEYJ184V	MGF CHIP 1/16W 180K	
R3087	ERJ3GEYJ124V	MGF CHIP 1/16W 120K	
R4001	ERJ3GEYJ331V	MGF CHIP 1/16W 330	
R4002	ERJ3GEYJ331V	MGF CHIP 1/16W 330	
R4003	ERJ3GEYJ331V	MGF CHIP 1/16W 330	
R4006	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R4007	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R4008	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R4009	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R4010	ERJ3EKF2002V	MGF CHIP 1/16W 20K	
R4011	ERJ3EKF2002V	MGF CHIP 1/16W 20K	

Ref. No.	Part No.	Part Name & Description	Remarks
R4012	ERJ3EKF2002V	MGF CHIP 1/16W 20K	
R4013	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4018	ERJ3GEYJ105V	MGF CHIP 1/16W 1M	
R4019	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R4022	ERJ3EKF2001V	MGF CHIP 1/16W 2K	
R4023	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4024	D0GA222J2A015	MGF CHIP 1/16W 2.2K	
R4026	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R4027	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R4028	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R4029	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R4030	ERJ3EKF1602V	MGF CHIP 1/16W 16K	
R4031	ERJ3EKF1602V	MGF CHIP 1/16W 16K	
R4032	ERJ3EKF2202V	MGF CHIP 1/16W 22K	
R4033	ERJ3EKF2202V	MGF CHIP 1/16W 22K	
R4034	ERJ3EKF3602V	MGF CHIP 1/16W 36K	
R4035	ERJ3EKF3602V	MGF CHIP 1/16W 36K	
R4038	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R4039	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R4042	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R4046	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R4047	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R4501	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R4502	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R4503	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4504	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R4505	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R4506	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R4507	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R4508	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R4509	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R4510	ERJ14YJ3R3U	MGF CHIP 1/8W 3.3	
R4511	ERJ14YJ3R3U	MGF CHIP 1/8W 3.3	
R4512	ERJ14YJ3R3U	MGF CHIP 1/8W 3.3	
R4513	ERJ14YJ3R3U	MGF CHIP 1/8W 3.3	
R4514	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R4516	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R4517	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R4518	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R4519	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4520	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R4521	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4522	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R4524	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R4525	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R4526	ERJ3GEYJ105V	MGF CHIP 1/16W 1M	
R4527	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4528	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4529	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4530	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R4531	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R5004	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5005	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5009	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R5010	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R5011	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5012	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5013	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5014	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5015	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5016	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5017	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5018	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R5020	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5022	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5024	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R5025	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5026	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5027	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5028	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5029	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5030	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5033	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	

Ref. No.	Part No.	Part Name & Description	Remarks
R5045	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R5046	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R5047	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R5048	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5049	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R5051	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5058	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5060	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5500	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5501	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5502	ERJ3GEYJ390V	MGF CHIP 1/16W 39	
R5503	ERJ3GEYJ390V	MGF CHIP 1/16W 39	
R5506	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5507	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5508	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5509	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5510	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5511	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5512	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5513	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5514	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5515	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5516	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5517	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5518	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5519	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5520	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5521	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5522	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5523	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5524	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5525	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5526	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R5527	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R5528	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5529	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5530	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5531	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5532	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5533	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5535	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5536	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5538	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R5539	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R5540	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R5541	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R5542	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R5543	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R5544	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5545	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5546	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5547	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5548	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5549	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5550	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5551	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5552	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5553	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5554	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5555	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R5558	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R5559	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R5560	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R5561	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R5562	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5563	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5564	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5565	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5566	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R5567	ERJ3EKF4701V	MGF CHIP 1/16W 4.7K	
R5570	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5578	ERJ3GEYJ151V	MGF CHIP 1/16W 150	
R5579	ERJ3GEYJ151V	MGF CHIP 1/16W 150	

Ref. No.	Part No.	Part Name & Description	Remarks
R5587	ERJ3EKF8200V	MGF CHIP 1/16W 820	
R5593	ERJ3EKF1001V	MGF CHIP 1/16W 1K	
R5596	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5597	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5599	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5602	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5604	ERJ3EKF7501V	MGF CHIP 1/16W 7.5K	
R5606	ERJ3EKF4701V	MGF CHIP 1/16W 4.7K	
R5609	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5611	ERJ3EKF1371V	MGF CHIP 1/16W 1.37K	
R5612	ERJ3EKF1501V	MGF CHIP 1/16W 1.5K	
R5613	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5614	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5615	ERJ3EKF1600V	MGF CHIP 1/16W 160	
R5616	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5617	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5618	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5619	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5620	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5621	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5622	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5623	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5624	ERJ3EKF1691V	MGF CHIP 1/16W 1.69K	
R5625	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R5626	ERJ3GEYJ105V	MGF CHIP 1/16W 1M	
R5627	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5628	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5629	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5631	ERJ3EKF4990V	MGF CHIP 1/16W 499	
R5635	EXB38V121JV	ARRAY CHIP 120	
R5636	ERJ3GEYJ680V	MGF CHIP 1/16W 68	
R5637	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R5638	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R5639	EXB38V121JV	ARRAY CHIP 120	
R5640	EXB38V121JV	ARRAY CHIP 120	
R5641	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5642	EXB38V121JV	ARRAY CHIP 120	
R5643	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5644	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R5645	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R5646	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R5647	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R5648	EXB38V330JV	ARRAY CHIP 33	
R5649	EXB38V121JV	ARRAY CHIP 120	
R5650	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R5651	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R5653	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5654	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5656	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R5657	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R5658	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R5661	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5667	ERJ3GEYJ151V	MGF CHIP 1/16W 150	
R5672	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5673	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5674	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5675	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5676	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R6006	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6007	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6008	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6011	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6012	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6013	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6014	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6027	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R6030	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6033	ERJ3GEYJ105V	MGF CHIP 1/16W 1M	
R6034	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6036	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6037	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6038	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R6039	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	

Ref. No.	Part No.	Part Name & Description	Remarks
R6043	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6044	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6045	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6046	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6048	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6049	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R6050	ERJ3GEYJ563V	MGF CHIP 1/16W 56K	
R6057	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6058	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6064	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6067	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6068	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6070	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R6071	ERJ3GEYJ474V	MGF CHIP 1/16W 470K	
R6072	ERJ3GEYJ474V	MGF CHIP 1/16W 470K	
R6073	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6074	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R6075	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6077	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6079	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R6080	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6081	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R6082	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6083	ERJ3GEYJ330V	MGF CHIP 1/16W 33	
R6084	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6085	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6086	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6087	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6088	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6089	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6090	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R6091	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R6092	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6099	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6100	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6101	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6102	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6106	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6111	ERJ3GEYJ563V	MGF CHIP 1/16W 56K	
R6112	ERJ3GEYJ273V	MGF CHIP 1/16W 27K	
R6113	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R6114	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R6118	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6120	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6121	ERJ3GEYJ273V	MGF CHIP 1/16W 27K	
R6122	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R6123	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R6129	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6132	ERJ3GEYJ563V	MGF CHIP 1/16W 56K	
R6133	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R6134	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R6137	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6138	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6139	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R6140	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R6149	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R6150	ERJ3GEYJ563V	MGF CHIP 1/16W 56K	
R6151	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6152	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6153	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6154	ERJ3EKF7151V	MGF CHIP 1/16W 7.15K	
R6155	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6157	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6158	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6159	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6162	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6169	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6170	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R6171	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R6172	ERJ3GEYJ330V	MGF CHIP 1/16W 33	
R6173	ERJ3GEYJ823V	MGF CHIP 1/16W 82K	
R6176	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6177	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	

Ref. No.	Part No.	Part Name & Description	Remarks
R6178	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R6180	ERJ3GEYJ182V	MGF CHIP 1/16W 1.8K	
R6181	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R6182	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R6185	ERJ3GEYJ821V	MGF CHIP 1/16W 820	
R6190	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6192	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6193	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6194	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R6195	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R6197	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6198	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6199	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6200	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6201	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6202	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R6204	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R7101	EXB38V330JV	ARRAY CHIP 33	
R7103	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R7104	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R7106	ERJ2GEJ332X	MGF CHIP 1/16W 3.3K	
R7107	ERJ2GEJ332X	MGF CHIP 1/16W 3.3K	
R7108	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R7109	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7110	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7111	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7113	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7114	ERJ2GEJ472X	MGF CHIP 1/16W 4.7K	
R7115	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7116	ERJ2GEJ472X	MGF CHIP 1/16W 4.7K	
R7117	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7118	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7119	ERJ2GEJ101X	MGF CHIP 1/16W 100	
R7120	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7121	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7122	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7123	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7124	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7125	EXB2HV470JV	ARRAY CHIP 47	
R7126	EXB2HV470JV	ARRAY CHIP 47	
R7127	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7128	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7129	ERJ2GEJ680X	MGF CHIP 1/16W 68	
R7130	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7131	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7132	EXB2HV470JV	ARRAY CHIP 47	
R7133	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7134	ERJ2GEJ302X	MGF CHIP 1/16W 3K	
R7135	ERJ3EKF1000V	MGF CHIP 1/16W 100	
R7136	ERJ3EKF1000V	MGF CHIP 1/16W 100	
R7137	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7138	ERJ3EKF1001V	MGF CHIP 1/16W 1K	
R7139	ERJ3EKF4751V	MGF CHIP 1/16W 4.75K	
R7140	ERJ3EKF75R0V	MGF CHIP 1/16W 75	
R7141	ERJ3EKF2001V	MGF CHIP 1/16W 2K	
R7142	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7144	ERJ2GEJ105X	MGF CHIP 1/16W 1M	
R7145	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7146	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7147	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7148	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7149	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7150	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7151	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7152	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7153	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7156	EXB2HV820JV	ARRAY CHIP 82	
R7157	EXB2HV820JV	ARRAY CHIP 82	
R7158	EXB2HV820JV	ARRAY CHIP 82	
R7159	EXB2HV820JV	ARRAY CHIP 82	
R7160	EXB2HV820JV	ARRAY CHIP 82	
R7161	EXB2HV820JV	ARRAY CHIP 82	
R7162	EXB2HV820JV	ARRAY CHIP 82	

Ref. No.	Part No.	Part Name & Description	Remarks
R7163	EXB2HV820JV	ARRAY CHIP 82	
R7164	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7165	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7166	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7167	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7168	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7169	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7170	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7171	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7172	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R7173	ERJ2GEJ182X	MGF CHIP 1/16W 1.8K	
R7174	ERJ2GEJ182X	MGF CHIP 1/16W 1.8K	
R7175	ERJ2GEJ680X	MGF CHIP 1/16W 68	
R7176	ERJ2GEJ680X	MGF CHIP 1/16W 68	
R7177	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R7185	ERJ3EKF5111V	MGF CHIP 1/16W 5.11K	
R7186	ERJ3EKF1002V	MGF CHIP 1/16W 10K	
R7187	ERJ3EKF2372V	MGF CHIP 1/16W 23.7K	
R7188	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7212	ERJ3EKF3302V	MGF CHIP 1/16W 33K	
R7213	ERJ3EKF3242V	MGF CHIP 1/16W 32.4K	
R7214	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7215	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7216	EXB2HV470JV	ARRAY CHIP 47	
R7217	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7218	EXB2HV470JV	ARRAY CHIP 47	
R7219	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7220	EXB2HV470JV	ARRAY CHIP 47	
R7221	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7222	EXB2HV470JV	ARRAY CHIP 47	
R7223	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7224	EXB2HV470JV	ARRAY CHIP 47	
R7225	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7226	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R7227	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7228	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7229	EXB2HV470JV	ARRAY CHIP 47	
R7230	ERJ2GEJ101X	MGF CHIP 1/16W 100	
R7231	ERJ3EKF1001V	MGF CHIP 1/16W 1K	
R7232	ERJ3EKF1001V	MGF CHIP 1/16W 1K	
R7233	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7234	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7235	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7236	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7237	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7238	ERJ3EKF3302V	MGF CHIP 1/16W 33K	
R7239	ERJ3EKF3242V	MGF CHIP 1/16W 32.4K	
R7240	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7241	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7264	ERJ2GEJ332X	MGF CHIP 1/16W 3.3K	
R7265	ERJ3EKF2202V	MGF CHIP 1/16W 22K	
R7270	ERJ2GEJ301X	MGF CHIP 1/16W 300	
R7272	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7274	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7276	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7277	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7278	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7282	ERJ2GEJ332X	MGF CHIP 1/16W 3.3K	
R7284	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7285	ERJ2GEJ220X	MGF CHIP 1/16W 22	
R7286	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7287	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7288	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7289	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7290	ERJ2GEJ102X	MGF CHIP 1/16W 1K	
R7291	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R7292	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7293	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7301	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R7302	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7303	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7304	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7305	ERJ3GEYJ121V	MGF CHIP 1/16W 120	

Ref. No.	Part No.	Part Name & Description	Remarks
R7306	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7307	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7308	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7309	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7310	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7311	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7314	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7315	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7316	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7317	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7318	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7319	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7320	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7321	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7322	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7323	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7324	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7325	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7326	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7328	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7329	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7330	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7331	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7332	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7334	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7338	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R7341	ERJ2GEJ182X	MGF CHIP 1/16W 1.8K	
R7342	ERJ2GEJ182X	MGF CHIP 1/16W 1.8K	
R7343	ERJ2GEJ182X	MGF CHIP 1/16W 1.8K	
R7362	ERJ2GEJ821X	MGF CHIP 1/16W 820	
R7363	ERJ2GEJ332X	MGF CHIP 1/16W 3.3K	
R7365	EXB2HV470JV	ARRAY CHIP 47	
R7366	EXB2HV470JV	ARRAY CHIP 47	
R7367	EXB2HV470JV	ARRAY CHIP 47	
R7368	EXB2HV470JV	ARRAY CHIP 47	
R7369	EXB2HV470JV	ARRAY CHIP 47	
R7370	ERJ2GEJ330X	MGF CHIP 1/16W 33	
R7371	ERJ2GEJ330X	MGF CHIP 1/16W 33	
R7372	ERJ2GEJ330X	MGF CHIP 1/16W 33	
R7373	ERJ2GEJ330X	MGF CHIP 1/16W 33	
R7374	ERJ2GEJ330X	MGF CHIP 1/16W 33	
R7375	ERJ2GEJ330X	MGF CHIP 1/16W 33	
R7376	ERJ2GEJ330X	MGF CHIP 1/16W 33	
R7380	ERJ2GEJ330X	MGF CHIP 1/16W 33	
R7381	ERJ2GEJ330X	MGF CHIP 1/16W 33	
R7384	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7385	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R7386	ERJ3EKF1690V	MGF CHIP 1/16W 169	
R7388	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R7390	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R7391	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R7395	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R7396	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R7400	D0GA332JA015	MGF CHIP 1/16W 3.3K	
R7401	D0GA392JA015	MGF CHIP 1/16W 3.9K	
R7402	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R7403	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R7404	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R7405	J0JCC0000078	EMI FILTER CHIP	
R7406	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
R7407	ERJ2GEJ680X	MGF CHIP 1/16W 68	
R7408	ERJ2GEJ680X	MGF CHIP 1/16W 68	
R7409	ERJ2GEJ680X	MGF CHIP 1/16W 68	
R7411	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8001	ERJ3GEYJ181V	MGF CHIP 1/16W 180	
R8002	ERJ3GEYJ820V	MGF CHIP 1/16W 82	
R8003	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8004	ERJ3EKF2402V	MGF CHIP 1/16W 24K	
R8005	ERJ3EKF1002V	MGF CHIP 1/16W 10K	
R8006	ERJ3EKF6801V	MGF CHIP 1/16W 6.8K	
R8030	ERJ2GEJ101X	MGF CHIP 1/16W 100	
R8056	ERJ2GEJ470X	MGF CHIP 1/16W 47	

Ref. No.	Part No.	Part Name & Description	Remarks
R8057	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8058	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8059	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8060	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8061	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8062	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8063	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8064	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8065	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8066	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8067	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8068	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8069	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8070	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8071	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8072	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8073	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8075	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8076	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8077	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8078	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8082	ERJ3EKF75R0V	MGF CHIP 1/16W 75	
R8083	ERJ2GEJ301X	MGF CHIP 1/16W 300	
R8086	ERJ2GEJ104X	MGF CHIP 1/16W 100K	
R8087	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R8090	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R8091	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8093	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8094	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R8098	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R8099	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R8100	ERJ2GEJ470X	MGF CHIP 1/16W 47	
R8101	ERJ3GEYJ750V	MGF CHIP 1/16W 75	
R8102	ERJ3GEYJ750V	MGF CHIP 1/16W 75	
R8103	ERJ3GEYJ750V	MGF CHIP 1/16W 75	
R8105	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8106	ERJ3GEYJ202V	MGF CHIP 1/16W 2K	
R8107	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8108	ERJ3GEYJ183V	MGF CHIP 1/16W 18K	
R8116	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8117	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8118	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8122	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8123	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8124	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8125	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R8128	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8129	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8130	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8131	ERJ3EKF91R0V	MGF CHIP 1/16W 91	
R8133	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8135	ERJ3GEYJ392V	MGF CHIP 1/16W 3.9K	
R8136	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8138	ERJ3GEYJ121V	MGF CHIP 1/16W 120	
R8201	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8202	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8203	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8204	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8205	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8206	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8207	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8208	J0JBC0000080	BEAD INDUCTOR CHIP	
R8209	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8210	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8211	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8212	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8213	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8214	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8215	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8216	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8217	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8218	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8219	ERJ3GEYJ560V	MGF CHIP 1/16W 56	

Ref. No.	Part No.	Part Name & Description	Remarks
R8220	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8221	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8222	ECJ1VC1H470J	C CHIP 50V 47PF	
R8225	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R8227	ERJ2GEJ221X	MGF CHIP 1/16W 220	
R8229	ERJ2GEJ103X	MGF CHIP 1/16W 10K	
R8232	ERJ2GEJ221X	MGF CHIP 1/16W 220	
R8233	ERJ3EKF2700V	MGF CHIP 1/16W 270	
R8234	ERJ3EKF2700V	MGF CHIP 1/16W 270	
R8235	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8410	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8412	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8416	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8419	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8426	EXB38V560JV	ARRAY CHIP 56	
R8427	EXB38V560JV	ARRAY CHIP 56	
R8428	EXB38V560JV	ARRAY CHIP 56	
R8429	EXB38V560JV	ARRAY CHIP 56	
R8430	EXB38V560JV	ARRAY CHIP 56	
R8431	EXB38V560JV	ARRAY CHIP 56	
R8432	EXB38V560JV	ARRAY CHIP 56	
R8433	EXB38V560JV	ARRAY CHIP 56	
R8434	EXB38V560JV	ARRAY CHIP 56	
R8435	EXB38V560JV	ARRAY CHIP 56	
R8436	ERJ3GEYJ330V	MGF CHIP 1/16W 33	
R8439	ERJ3GEYJ330V	MGF CHIP 1/16W 33	
R8440	ERJ3GEYJ330V	MGF CHIP 1/16W 33	
R8443	ERJ3GEYJ330V	MGF CHIP 1/16W 33	
R8444	ERJ3GEYJ330V	MGF CHIP 1/16W 33	
R8454	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8455	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8456	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8457	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8458	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8459	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8460	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8461	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8462	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8463	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8464	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8465	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8466	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8467	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8468	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8469	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R8473	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8475	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8476	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8477	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8479	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8480	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8481	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8484	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8500	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8501	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8510	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8511	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8518	ERJ3GEYJ330V	MGF CHIP 1/16W 33	
R8519	EXB38V473JV	ARRAY CHIP 47K	
R8520	EXB38V473JV	ARRAY CHIP 47K	
R8801	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R8802	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8806	ERJ3GEYJ682V	MGF CHIP 1/16W 6.8K	
R8807	ERJ3GEYJ682V	MGF CHIP 1/16W 6.8K	
R8808	ERJ3GEYJ682V	MGF CHIP 1/16W 6.8K	
R8809	ERJ3GEYJ682V	MGF CHIP 1/16W 6.8K	
R8810	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8811	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8812	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8813	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
R8814	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	

Ref. No.	Part No.	Part Name & Description	Remarks
R8815	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R8820	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8821	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8822	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8823	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8825	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8828	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R8829	ERJ2GE0R00X	MGF CHIP 1/16W 0	
R8841	ERJ3GEYJ221V	MGF CHIP 1/16W 220	
R8843	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8846	ERJ3EKF1202V	MGF CHIP 1/16W 12K	
R8848	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8851	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8852	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8854	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8856	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8857	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8858	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8859	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8860	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8861	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8862	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8864	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8866	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8869	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8870	ERJ3GEYJ392V	MGF CHIP 1/16W 3.9K	
R8873	ERJ3GEYJ392V	MGF CHIP 1/16W 3.9K	
R8874	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8876	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8877	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8878	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8879	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8888	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8889	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8891	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8892	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8894	ERJ2GEJ101X	MGF CHIP 1/16W 100	
R8895	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8896	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8900	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8901	ERJ2GEJ101X	MGF CHIP 1/16W 100	
R8902	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8918	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8920	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8921	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8922	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8923	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8924	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8928	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8929	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8930	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8931	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8932	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8933	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8938	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8944	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8945	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8958	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8959	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8960	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8961	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
JS4001	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS4002	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS4003	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
JS4502	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS4503	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS4504	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS4505	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS4506	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS5500	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS5501	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS5504	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
JS7101	ERJ2GE0R00X	MGF CHIP 1/16W 0	

Ref. No.	Part No.	Part Name & Description	Remarks
JS7102	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7103	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7104	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7105	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7106	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7107	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7108	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7109	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7110	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7111	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7112	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7123	ERJ2GE0R00X	MGF CHIP 1/16W 0	
JS7124	ERJ2GE0R00X	MGF CHIP 1/16W 0	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C1102	F1H1C104A065	C CHIP 16V 0.1UF	
C1103	F1H1C104A065	C CHIP 16V 0.1UF	
C1104	F1H1C104A065	C CHIP 16V 0.1UF	
C1105	F1H1C104A065	C CHIP 16V 0.1UF	
C1107	F1H1A224A025	C CHIP 10V 0.22UF	
C1108	F1H1A474A025	C CHIP 10V 0.47UF	
C1109	F1H1A105A025	C CHIP 10V 1UF	
C1110	F1H1A105A025	C CHIP 10V 1UF	
C1111	F1H1C104A065	C CHIP 16V 0.1UF	
C1113	F1H1A105A025	C CHIP 10V 1UF	
C1120	F1H1C104A065	C CHIP 16V 0.1UF	
C1121	F1H1C104A065	C CHIP 16V 0.1UF	
C1122	F1H1C104A065	C CHIP 16V 0.1UF	
C1123	F1H1H332A219	C CHIP 50V 3300PF	
C1124	F1H1C104A065	C CHIP 16V 0.1UF	
C1126	F1H1C104A065	C CHIP 16V 0.1UF	
C1127	F1H1C104A065	C CHIP 16V 0.1UF	
C1130	F1H1A105A025	C CHIP 10V 1UF	
C1133	F1J0J2260004	C CHIP 6.3V 22UF	
C1134	F1J0J2260004	C CHIP 6.3V 22UF	
C1137	F2G1C4710021	ELECTROLYTIC CHIP 16V 470UF	
C1139	F1H1A224A025	C CHIP 10V 0.22UF	
C1140	F2G1C6810004	ELECTROLYTIC CHIP 16V 680UF	
C1141	EEEHB0J101P	ELECTROLYTIC 6.3V 100UF	
C1143	F1J0J2260004	C CHIP 6.3V 22UF	
C1144	F1J0J2260004	C CHIP 6.3V 22UF	
C1145	EEEHB0J101P	ELECTROLYTIC 6.3V 100UF	
C1147	F1L1C2260012	C CHIP 16V 22UF	
C1148	F1H1H332A219	C CHIP 50V 3300PF	
C1149	F1L1C2260012	C CHIP 16V 22UF	
C1150	F1H1A224A025	C CHIP 10V 0.22UF	
C1151	F2G1C4710021	ELECTROLYTIC CHIP 16V 470UF	
C1152	F2G1C6810004	ELECTROLYTIC CHIP 16V 680UF	
C1160	F1J0J2260004	C CHIP 6.3V 22UF	
C1161	F1H1C104A065	C CHIP 16V 0.1UF	
C1162	F1H1C104A065	C CHIP 16V 0.1UF	
C1171	F1J0J2260004	C CHIP 6.3V 22UF	
C1202	F1H1C104A065	C CHIP 16V 0.1UF	
C1203	F1H1C104A065	C CHIP 16V 0.1UF	
C1204	F1H1C104A065	C CHIP 16V 0.1UF	
C1205	F1H1H332A219	C CHIP 50V 3300PF	
C1206	F1H1C104A065	C CHIP 16V 0.1UF	
C1207	F1H1C104A065	C CHIP 16V 0.1UF	
C1208	F1H1C104A065	C CHIP 16V 0.1UF	
C1210	F1J0J2260004	C CHIP 6.3V 22UF	
C1211	F1J0J2260004	C CHIP 6.3V 22UF	
C1213	F1J0J2260004	C CHIP 6.3V 22UF	
C1214	F1J0J2260004	C CHIP 6.3V 22UF	
C1216	F1L1C2260012	C CHIP 16V 22UF	
C1217	F1H1H332A219	C CHIP 50V 3300PF	
C1218	F1L1C2260012	C CHIP 16V 22UF	
C1219	F1J0J2260004	C CHIP 6.3V 22UF	
C1227	F1J0J2260004	C CHIP 6.3V 22UF	
C1228	F1H1C104A065	C CHIP 16V 0.1UF	
C1232	F1H1C104A065	C CHIP 16V 0.1UF	
C1236	F1H1C104A065	C CHIP 16V 0.1UF	
C3001	F2G1C1010014	ELECTROLYTIC CHIP 16V 100UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C3003	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C3004	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C3005	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C3006	F1H1C104A008	C CHIP 16V 0.1UF	
C3009	F1H1C104A008	C CHIP 16V 0.1UF	
C3012	F1H1A105A025	C CHIP 10V 1UF	
C3013	F1H1A105A025	C CHIP 10V 1UF	
C3017	F1H1C104A008	C CHIP 16V 0.1UF	
C3018	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C3019	F1H1A105A025	C CHIP 10V 1UF	
C3020	F1H1A105A025	C CHIP 10V 1UF	
C3026	F1H1A105A025	C CHIP 10V 1UF	
C3027	F1H1A105A025	C CHIP 10V 1UF	
C3028	F1H1A105A025	C CHIP 10V 1UF	
C3032	F1H1C104A008	C CHIP 16V 0.1UF	
C3033	F1H1A105A025	C CHIP 10V 1UF	
C3034	F1H1A105A025	C CHIP 10V 1UF	
C3035	F1H1A105A025	C CHIP 10V 1UF	
C3036	F1H1A105A025	C CHIP 10V 1UF	
C3037	F1H1A105A025	C CHIP 10V 1UF	
C3038	F1H1A105A025	C CHIP 10V 1UF	
C3039	F2G1C1000014	ELECTROLYTIC CHIP 16V 10UF	
C3040	F1H1A105A025	C CHIP 10V 1UF	
C3041	F1H1E223A029	C CHIP 25V 0.022UF	
C3043	ECJ2YB1C334K	C CHIP 16V 0.33UF	
C3046	F1H1A105A025	C CHIP 10V 1UF	
C3059	ECJ1VC1H101J	C CHIP 50V 100PF	
C3060	F1H1C104A008	C CHIP 16V 0.1UF	
C4001	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C4002	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C4003	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C4004	ECJ1VC1H101J	C CHIP 50V 100PF	
C4005	ECJ1VC1H101J	C CHIP 50V 100PF	
C4006	F1J1A106A024	C CHIP 10V 10UF	
C4007	F1J1A106A024	C CHIP 10V 10UF	
C4008	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C4009	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C4010	ECJ2FF1A106Z	C CHIP 10V 10UF	
C4011	ECJ2FF1A106Z	C CHIP 10V 10UF	
C4012	F1H1E104A030	C CHIP 25V 0.1UF	
C4013	F1H1E104A030	C CHIP 25V 0.1UF	
C4014	F1H1E104A030	C CHIP 25V 0.1UF	
C4015	F1H1E104A030	C CHIP 25V 0.1UF	
C4016	F1H1E104A030	C CHIP 25V 0.1UF	
C4017	F1H1E104A030	C CHIP 25V 0.1UF	
C4018	ECJ2FF1A106Z	C CHIP 10V 10UF	
C4019	F1H1E104A030	C CHIP 25V 0.1UF	
C4020	F1H1E104A030	C CHIP 25V 0.1UF	
C4021	F1H1E104A030	C CHIP 25V 0.1UF	
C4022	ECJ2FF1A106Z	C CHIP 10V 10UF	
C4023	F1H1E104A030	C CHIP 25V 0.1UF	
C4025	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C4026	F1H1E104A030	C CHIP 25V 0.1UF	
C4028	F1H1H120A230	C CHIP 50V 12PF	
C4029	F1H1H120A230	C CHIP 50V 12PF	
C4030	F1H1E104A030	C CHIP 25V 0.1UF	
C4031	ECJ2FF1A106Z	C CHIP 10V 10UF	
C4033	F1H1E104A030	C CHIP 25V 0.1UF	
C4034	F1H1H102A219	C CHIP 50V 1000PF	
C4036	F1H1E104A030	C CHIP 25V 0.1UF	
C4037	F1H1E104A030	C CHIP 25V 0.1UF	
C4039	ECJ2FF1A106Z	C CHIP 10V 10UF	
C4043	ECJ2FF1C475Z	C CHIP 16V 4.7UF	
C4044	F1J0J2260002	C CHIP 6.3V 22UF	
C4046	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C4047	ECJ1VC1H181J	C CHIP 50V 180PF	
C4048	ECJ1VC1H181J	C CHIP 50V 180PF	
C4049	F1H1H330A230	C CHIP 50V 33PF	
C4050	F1H1H330A230	C CHIP 50V 33PF	
C4051	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C4058	F1J1A106A024	C CHIP 10V 10UF	
C4059	F1J1A106A024	C CHIP 10V 10UF	
C4060	F1H1E104A030	C CHIP 25V 0.1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C4061	ECJ1VB0J225K	C CHIP 6.3V 2.2UF	
C4062	F1H1H471A189	C CHIP 50V 470PF	
C4063	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C4501	F1H1E104A030	C CHIP 25V 0.1UF	
C4502	F1H1E104A030	C CHIP 25V 0.1UF	
C4503	F1H1E104A030	C CHIP 25V 0.1UF	
C4504	F1H1E104A030	C CHIP 25V 0.1UF	
C4505	F1H1E104A030	C CHIP 25V 0.1UF	
C4506	ECJ1VB1H333K	C CHIP 50V 0.033UF	
C4507	ECJ1VF1H104Z	C CHIP 50V 0.1UF	
C4508	F1J1H105A449	C CHIP 50V 1UF	
C4509	ECJ1VF1H104Z	C CHIP 50V 0.1UF	
C4510	F1J1H105A449	C CHIP 50V 1UF	
C4511	ECJ1VB1H333K	C CHIP 50V 0.033UF	
C4512	ECJ1VB1H333K	C CHIP 50V 0.033UF	
C4513	ECJ1VF1H104Z	C CHIP 50V 0.1UF	
C4514	F1J1H105A449	C CHIP 50V 1UF	
C4515	ECJ1VF1H104Z	C CHIP 50V 0.1UF	
C4516	F1J1H105A449	C CHIP 50V 1UF	
C4517	ECJ1VB1H333K	C CHIP 50V 0.033UF	
C4518	F1H1E104A030	C CHIP 25V 0.1UF	
C4519	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4520	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4521	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4522	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4523	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4524	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4525	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4526	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4527	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4528	ECJ1VB1H104K	C CHIP 50V 0.1UF	
C4529	F2G1C2200012	ELECTROLYTIC CHIP 16V 22UF	
C4530	ECJ1VF1H104Z	C CHIP 50V 0.1UF	
C4531	ECJ1VF1H104Z	C CHIP 50V 0.1UF	
C4532	F1H1E104A030	C CHIP 25V 0.1UF	
C4538	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C4539	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C4540	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C4541	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C4542	F1H1C102A219	C CHIP 50V 1000PF	
C4543	F1H1H102A219	C CHIP 50V 1000PF	
C4544	F1H1H102A219	C CHIP 50V 1000PF	
C4545	F1H1H102A219	C CHIP 50V 1000PF	
C5000	F1H1C104A065	C CHIP 16V 0.1UF	
C5001	F1H1C104A065	C CHIP 16V 0.1UF	
C5003	F1H1C104A065	C CHIP 16V 0.1UF	
C5017	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5018	F1H1A105A025	C CHIP 10V 1UF	
C5021	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5500	F1H1E104A030	C CHIP 25V 0.1UF	
C5501	F1H1E104A030	C CHIP 25V 0.1UF	
C5502	F1H1E104A030	C CHIP 25V 0.1UF	
C5503	F1H1E104A030	C CHIP 25V 0.1UF	
C5508	F2G0J2200006	ELECTROLYTIC CHIP 6.3V 22UF	
C5509	F2G0J2200006	ELECTROLYTIC CHIP 6.3V 22UF	
C5510	F1H1E104A030	C CHIP 25V 0.1UF	
C5511	F1H1E104A030	C CHIP 25V 0.1UF	
C5513	F1H1C104A065	C CHIP 16V 0.1UF	
C5514	F1H1C104A065	C CHIP 16V 0.1UF	
C5515	F1H1C104A065	C CHIP 16V 0.1UF	
C5517	F1H1C104A065	C CHIP 16V 0.1UF	
C5520	F1J1A106A024	C CHIP 10V 10UF	
C5521	F1H1C104A065	C CHIP 16V 0.1UF	
C5525	ECJ1VB1C105K	C CHIP 16V 1UF	
C5527	F1H1A105A025	C CHIP 10V 1UF	
C5528	F1H1C104A065	C CHIP 16V 0.1UF	
C5531	F1H1C104A065	C CHIP 16V 0.1UF	
C5533	ECJ1VC1H680J	C CHIP 50V 68PF	
C5538	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C5539	F1J1A106A024	C CHIP 10V 10UF	
C5541	ECJ1VC1H471J	C CHIP 50V 470PF	
C5543	F1H1C104A065	C CHIP 16V 0.1UF	
C5544	F1H1C104A065	C CHIP 16V 0.1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C5545	F1H1C104A065	C CHIP 16V 0.1UF	
C5546	ECJ1VB0J225K	C CHIP 6.3V 2.2UF	
C5547	F1H1C104A065	C CHIP 16V 0.1UF	
C5548	F1H1C104A065	C CHIP 16V 0.1UF	
C5549	F1H1C104A065	C CHIP 16V 0.1UF	
C5550	F1H1C104A065	C CHIP 16V 0.1UF	
C5552	F1H1C104A065	C CHIP 16V 0.1UF	
C5553	F1H1H102A219	C CHIP 50V 1000PF	
C5555	F1J1A106A024	C CHIP 10V 10UF	
C5556	F1J1A106A024	C CHIP 10V 10UF	
C5557	F1H1C104A065	C CHIP 16V 0.1UF	
C5559	F1H1C104A065	C CHIP 16V 0.1UF	
C5560	F1H1C104A065	C CHIP 16V 0.1UF	
C5562	ECJ1VB1H822K	C CHIP 50V 8200PF	
C5563	ECJ1VB1C823K	C CHIP 16V 0.082UF	
C5564	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5565	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5566	ECJ1VB1C393K	C CHIP 16V 0.039UF	
C5568	F1H1C104A065	C CHIP 16V 0.1UF	
C5569	ECJ1VB0J684K	C CHIP 6.3V 0.68UF	
C5570	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C5572	F1H1C104A065	C CHIP 16V 0.1UF	
C5573	F1H1C104A065	C CHIP 16V 0.1UF	
C5574	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5575	F1H1A105A025	C CHIP 10V 1UF	
C5576	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C5577	F1H1C104A065	C CHIP 16V 0.1UF	
C5578	F1H1C104A065	C CHIP 16V 0.1UF	
C5580	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5581	F1H1A105A025	C CHIP 10V 1UF	
C5582	F1H1C104A065	C CHIP 16V 0.1UF	
C5583	F1H1C104A065	C CHIP 16V 0.1UF	
C5584	F1H1A105A025	C CHIP 10V 1UF	
C5585	F1H1A105A025	C CHIP 10V 1UF	
C5586	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5587	F1H1C104A065	C CHIP 16V 0.1UF	
C5588	ECJ1VB1C823K	C CHIP 16V 0.082UF	
C5589	ECJ1VC1H180J	C CHIP 50V 18PF	
C5590	F1H1H220A230	C CHIP 50V 22PF	
C5593	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5595	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5596	F1H1E104A030	C CHIP 25V 0.1UF	
C5598	F1H1A105A025	C CHIP 10V 1UF	
C5601	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5602	F1H1C104A065	C CHIP 16V 0.1UF	
C5604	ECJ1VB0J225K	C CHIP 6.3V 2.2UF	
C5605	F1H1E104A030	C CHIP 25V 0.1UF	
C5607	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C5609	F1H1A105A025	C CHIP 10V 1UF	
C5611	F1H1A105A025	C CHIP 10V 1UF	
C5612	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5613	F1H1A105A025	C CHIP 10V 1UF	
C5614	F1H1E104A030	C CHIP 25V 0.1UF	
C5615	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5616	F1H1E104A030	C CHIP 25V 0.1UF	
C5617	F1H1E104A030	C CHIP 25V 0.1UF	
C5618	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5619	F1H1E104A030	C CHIP 25V 0.1UF	
C5620	F1H1A105A025	C CHIP 10V 1UF	
C5623	F1H1C104A065	C CHIP 16V 0.1UF	
C5624	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C5625	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C6003	F1H1C104A065	C CHIP 16V 0.1UF	
C6004	F1H1H102A219	C CHIP 50V 1000PF	
C6013	F1H1A224A025	C CHIP 10V 0.22UF	
C6017	F1H1A105A025	C CHIP 10V 1UF	
C6018	F1J1A106A024	C CHIP 10V 10UF	
C6019	F1J1A106A024	C CHIP 10V 10UF	
C6020	ECJ1VC1H101J	C CHIP 50V 100PF	
C6021	F1J1A106A024	C CHIP 10V 10UF	
C6022	F1H1C104A065	C CHIP 16V 0.1UF	
C6023	F1H1C104A065	C CHIP 16V 0.1UF	
C6024	F1H1C104A065	C CHIP 16V 0.1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C6025	F1H1C104A065	C CHIP 16V 0.1UF	
C6026	F1H1C104A065	C CHIP 16V 0.1UF	
C6027	F1H1C104A065	C CHIP 16V 0.1UF	
C6029	F1H1C104A065	C CHIP 16V 0.1UF	
C6031	F1H1C104A065	C CHIP 16V 0.1UF	
C6034	F1H1H220A230	C CHIP 50V 22PF	
C6035	ECJ1VC1H270J	C CHIP 50V 27PF	
C6037	F1H1H102A219	C CHIP 50V 1000PF	
C6038	F1H1A105A025	C CHIP 10V 1UF	
C6039	F1H1A105A025	C CHIP 10V 1UF	
C6040	F1H1A105A025	C CHIP 10V 1UF	
C6041	F1H1H102A219	C CHIP 50V 1000PF	
C6042	F1H1H102A219	C CHIP 50V 1000PF	
C6043	F1H1H102A219	C CHIP 50V 1000PF	
C6044	F1H1H102A219	C CHIP 50V 1000PF	
C6045	F1H1H102A219	C CHIP 50V 1000PF	
C6048	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C6049	F1H1H102A219	C CHIP 50V 1000PF	
C6051	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C7002	F1H1C104A065	C CHIP 16V 0.1UF	
C7003	F1H1H102A219	C CHIP 50V 1000PF	
C7101	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C7102	F1G1A1040006	C CHIP 10V 0.1UF	
C7103	F1G1C103A048	C CHIP 16V 0.01UF	
C7105	F1H1A105A025	C CHIP 10V 1UF	
C7106	F1G1A1040006	C CHIP 10V 0.1UF	
C7107	F1G1C103A048	C CHIP 16V 0.01UF	
C7108	F1G1A1040006	C CHIP 10V 0.1UF	
C7109	ECJ1VC1H221J	C CHIP 50V 220PF	
C7110	F1H1A105A025	C CHIP 10V 1UF	
C7111	F1G1C103A048	C CHIP 16V 0.01UF	
C7112	F1G1A1040006	C CHIP 10V 0.1UF	
C7113	F1G1A1040006	C CHIP 10V 0.1UF	
C7114	ECJ1VC1H680J	C CHIP 50V 68PF	
C7116	F1G1A1040006	C CHIP 10V 0.1UF	
C7117	F1H1H120A230	C CHIP 50V 12PF	
C7118	ECJ1VC1H100D	C CHIP 50V 10PF	
C7119	F1H1A105A025	C CHIP 10V 1UF	
C7120	F1G1A1040006	C CHIP 10V 0.1UF	
C7121	F1G1H1020008	C CHIP 50V 1000PF	
C7123	F1G1A1040006	C CHIP 10V 0.1UF	
C7125	F1H1A105A025	C CHIP 10V 1UF	
C7126	F1G1A1040006	C CHIP 10V 0.1UF	
C7127	F1G1H1020008	C CHIP 50V 1000PF	
C7128	F1H1A105A025	C CHIP 10V 1UF	
C7129	F1G1A1040006	C CHIP 10V 0.1UF	
C7130	F1H1A105A025	C CHIP 10V 1UF	
C7132	F1J1A106A024	C CHIP 10V 10UF	
C7133	F1G1A1040006	C CHIP 10V 0.1UF	
C7134	F1G1A1040006	C CHIP 10V 0.1UF	
C7136	F1J1A106A024	C CHIP 10V 10UF	
C7137	F1H1A105A025	C CHIP 10V 1UF	
C7138	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C7139	F1G1A1040006	C CHIP 10V 0.1UF	
C7141	F1G1H1020008	C CHIP 50V 1000PF	
C7142	F1G1A1040006	C CHIP 10V 0.1UF	
C7143	F1H1A105A025	C CHIP 10V 1UF	
C7144	F1G1A1040006	C CHIP 10V 0.1UF	
C7145	F1G1H1020008	C CHIP 50V 1000PF	
C7146	F1G1H1020008	C CHIP 50V 1000PF	
C7147	F1G1A1040006	C CHIP 10V 0.1UF	
C7148	F1G1A1040006	C CHIP 10V 0.1UF	
C7149	F1G1H1020008	C CHIP 50V 1000PF	
C7150	F1H1A105A025	C CHIP 10V 1UF	
C7151	F1G1A1040006	C CHIP 10V 0.1UF	
C7152	F1G1H1020008	C CHIP 50V 1000PF	
C7154	F1G1A1040006	C CHIP 10V 0.1UF	
C7155	F1G1H1020008	C CHIP 50V 1000PF	
C7157	F1G1A1040006	C CHIP 10V 0.1UF	
C7158	F1G1A1040006	C CHIP 10V 0.1UF	
C7159	F1G1A1040006	C CHIP 10V 0.1UF	
C7160	F1G1H1020008	C CHIP 50V 1000PF	
C7161	F1H1A105A025	C CHIP 10V 1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C7162	F1G1A1040006	C CHIP 10V 0.1UF	
C7163	F1G1A1040006	C CHIP 10V 0.1UF	
C7164	F1G1H1020008	C CHIP 50V 1000PF	
C7165	F1G1H1020008	C CHIP 50V 1000PF	
C7166	ECGRLOG680ER	ELECTROLYTIC CHIP 4V 68PF	
C7167	F2G0J4700012	ELECTROLYTIC CHIP 6.3V 47UF	
C7168	F1G1A1040006	C CHIP 10V 0.1UF	
C7169	F1G1H1020008	C CHIP 50V 1000PF	
C7170	F1G1H1020008	C CHIP 50V 1000PF	
C7171	F1G1H1020008	C CHIP 50V 1000PF	
C7172	F1G1A1040006	C CHIP 10V 0.1UF	
C7173	F1G1A1040006	C CHIP 10V 0.1UF	
C7174	F1G1H1020008	C CHIP 50V 1000PF	
C7175	F1G1H1020008	C CHIP 50V 1000PF	
C7176	F1H1A105A025	C CHIP 10V 1UF	
C7177	F1G1A1040006	C CHIP 10V 0.1UF	
C7178	F1G1H1020008	C CHIP 50V 1000PF	
C7179	F1G1H1020008	C CHIP 50V 1000PF	
C7180	F1G1H1020008	C CHIP 50V 1000PF	
C7181	F1G1A1040006	C CHIP 10V 0.1UF	
C7182	F1G1H1020008	C CHIP 50V 1000PF	
C7183	F1G1H1020008	C CHIP 50V 1000PF	
C7185	F1G1H1020008	C CHIP 50V 1000PF	
C7186	F1G1A1040006	C CHIP 10V 0.1UF	
C7187	F1G1H1020008	C CHIP 50V 1000PF	
C7188	F1H1A105A025	C CHIP 10V 1UF	
C7190	F1G1H1020008	C CHIP 50V 1000PF	
C7191	F1G1H1020008	C CHIP 50V 1000PF	
C7192	F1G1A1040006	C CHIP 10V 0.1UF	
C7193	F1G1H1020008	C CHIP 50V 1000PF	
C7194	F1G1H1020008	C CHIP 50V 1000PF	
C7197	F1H1A105A025	C CHIP 10V 1UF	
C7198	F1G1A1040006	C CHIP 10V 0.1UF	
C7199	F1G1H1020008	C CHIP 50V 1000PF	
C7200	F1G1A1040006	C CHIP 10V 0.1UF	
C7201	F1G1H1020008	C CHIP 50V 1000PF	
C7202	F1G1A1040006	C CHIP 10V 0.1UF	
C7203	F1G1A1040006	C CHIP 10V 0.1UF	
C7204	F1G1H1020008	C CHIP 50V 1000PF	
C7205	F1G1A1040006	C CHIP 10V 0.1UF	
C7206	F1G1H1020008	C CHIP 50V 1000PF	
C7207	F1G1A1040006	C CHIP 10V 0.1UF	
C7208	F1G1H1020008	C CHIP 50V 1000PF	
C7209	F1H1A105A025	C CHIP 10V 1UF	
C7210	F1H1A105A025	C CHIP 10V 1UF	
C7211	F1G1A1040006	C CHIP 10V 0.1UF	
C7212	F1G1H1020008	C CHIP 50V 1000PF	
C7213	F1G1H1020008	C CHIP 50V 1000PF	
C7214	F1G1A1040006	C CHIP 10V 0.1UF	
C7215	F1H1A105A025	C CHIP 10V 1UF	
C7216	F1G1H1020008	C CHIP 50V 1000PF	
C7218	F1J1A106A024	C CHIP 10V 10UF	
C7221	F1G1A1040006	C CHIP 10V 0.1UF	
C7222	F1H1A105A025	C CHIP 10V 1UF	
C7223	F1G1A1040006	C CHIP 10V 0.1UF	
C7224	F1G1A1040006	C CHIP 10V 0.1UF	
C7225	F1G1A1040006	C CHIP 10V 0.1UF	
C7226	F1G1A1040006	C CHIP 10V 0.1UF	
C7227	F1G1A1040006	C CHIP 10V 0.1UF	
C7228	F1G1A1040006	C CHIP 10V 0.1UF	
C7229	F1G1A1040006	C CHIP 10V 0.1UF	
C7230	F1G1A1040006	C CHIP 10V 0.1UF	
C7231	F1G1A1040006	C CHIP 10V 0.1UF	
C7232	F1G1A1040006	C CHIP 10V 0.1UF	
C7233	F1G1A1040006	C CHIP 10V 0.1UF	
C7234	F1G1A1040006	C CHIP 10V 0.1UF	
C7235	F1G1A1040006	C CHIP 10V 0.1UF	
C7236	F1G1A1040006	C CHIP 10V 0.1UF	
C7237	F1G1A1040006	C CHIP 10V 0.1UF	
C7238	F1G1A1040006	C CHIP 10V 0.1UF	
C7239	F1G1A1040006	C CHIP 10V 0.1UF	
C7240	F1G1A1040006	C CHIP 10V 0.1UF	
C7241	F1G1A1040006	C CHIP 10V 0.1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C7242	F1G1A1040006	C CHIP 10V 0.1UF	
C7243	F1G1A1040006	C CHIP 10V 0.1UF	
C7244	F1G1A1040006	C CHIP 10V 0.1UF	
C7245	F1J1A106A024	C CHIP 10V 10UF	
C7246	F1J1A106A024	C CHIP 10V 10UF	
C7247	F1G1A1040006	C CHIP 10V 0.1UF	
C7336	F1G1H1020008	C CHIP 50V 1000PF	
C7370	F1J1A106A024	C CHIP 10V 10UF	
C7371	F1J1A106A024	C CHIP 10V 10UF	
C7372	F1G1A1040006	C CHIP 10V 0.1UF	
C7373	F1H1A105A025	C CHIP 10V 1UF	
C7374	F1G1A1040006	C CHIP 10V 0.1UF	
C7375	F2H0G101A005	ELECTROLYTIC CHIP 4V 100UF	
C7376	ECJ1VC1H471J	C CHIP 50V 470PF	
C7378	F1G1A1040006	C CHIP 10V 0.1UF	
C7379	F1G1C103A048	C CHIP 16V 0.01UF	
C7380	F1G1A1040006	C CHIP 10V 0.1UF	
C7381	F1G1C103A048	C CHIP 16V 0.01UF	
C7382	F1G1A1040006	C CHIP 10V 0.1UF	
C7383	F1G1C103A048	C CHIP 16V 0.01UF	
C7384	F1G1A1040006	C CHIP 10V 0.1UF	
C7385	F1G1C103A048	C CHIP 16V 0.01UF	
C7386	F1G1A1040006	C CHIP 10V 0.1UF	
C7387	F1G1A1040006	C CHIP 10V 0.1UF	
C7388	F1G1A1040006	C CHIP 10V 0.1UF	
C7389	F1G1C103A048	C CHIP 16V 0.01UF	
C7390	F1G1A1040006	C CHIP 10V 0.1UF	
C7391	F1G1C103A048	C CHIP 16V 0.01UF	
C7392	F1G1A1040006	C CHIP 10V 0.1UF	
C7393	F1G1A1040006	C CHIP 10V 0.1UF	
C7394	F1G1C103A048	C CHIP 16V 0.01UF	
C7395	F1G1A1040006	C CHIP 10V 0.1UF	
C7396	F1G1C103A048	C CHIP 16V 0.01UF	
C7397	F1G1A1040006	C CHIP 10V 0.1UF	
C7398	F1G1C103A048	C CHIP 16V 0.01UF	
C7399	F1G1A1040006	C CHIP 10V 0.1UF	
C7400	F1G1C103A048	C CHIP 16V 0.01UF	
C7401	F1G1A1040006	C CHIP 10V 0.1UF	
C7402	F1G1C103A048	C CHIP 16V 0.01UF	
C7403	F1G1A1040006	C CHIP 10V 0.1UF	
C7404	F1G1C103A048	C CHIP 16V 0.01UF	
C7407	F1J1A106A024	C CHIP 10V 10UF	
C7408	F1G1A1040006	C CHIP 10V 0.1UF	
C7409	F1H1A105A025	C CHIP 10V 1UF	
C7411	F1G1A1040006	C CHIP 10V 0.1UF	
C7412	F2H0G101A005	ELECTROLYTIC CHIP 4V 100UF	
C7413	ECJ1VC1H471J	C CHIP 50V 470PF	
C7444	F1G1A1040006	C CHIP 10V 0.1UF	
C7445	F1G1H1020008	C CHIP 50V 1000PF	
C7446	F1G1A1040006	C CHIP 10V 0.1UF	
C7449	F1G1A1040006	C CHIP 10V 0.1UF	
C7452	F2G0J3310025	ELECTROLYTIC CHIP 6.3V 330UF	
C7453	F1J1A106A024	C CHIP 10V 10UF	
C7454	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C7455	F1G1A1040006	C CHIP 10V 0.1UF	
C7456	F1G1A1040006	C CHIP 10V 0.1UF	
C7457	F1G1A1040006	C CHIP 10V 0.1UF	
C7458	EEEBHB0G470R	ELECTROLYTIC 4V 47UF	
C7459	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C7462	F1H1A105A025	C CHIP 10V 1UF	
C7463	F1G1A1040006	C CHIP 10V 0.1UF	
C7464	EEEBHB0G470R	ELECTROLYTIC 4V 47UF	
C7465	F1G1A1040006	C CHIP 10V 0.1UF	
C7466	F1G1A1040006	C CHIP 10V 0.1UF	
C7467	F1G1A1040006	C CHIP 10V 0.1UF	
C7468	F1G1A1040006	C CHIP 10V 0.1UF	
C7469	F1G1A1040006	C CHIP 10V 0.1UF	
C7470	F1G1A1040006	C CHIP 10V 0.1UF	
C7471	F1G1A1040006	C CHIP 10V 0.1UF	
C7472	F1G1A1040006	C CHIP 10V 0.1UF	
C7473	F1G1A1040006	C CHIP 10V 0.1UF	
C7474	F1G1A1040006	C CHIP 10V 0.1UF	
C7475	F1G1A1040006	C CHIP 10V 0.1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C7476	F1G1A1040006	C CHIP 10V 0.1UF	
C7477	F1G1A1040006	C CHIP 10V 0.1UF	
C7478	F1G1A1040006	C CHIP 10V 0.1UF	
C7479	F1G1A1040006	C CHIP 10V 0.1UF	
C7480	F1G1A1040006	C CHIP 10V 0.1UF	
C7481	F1G1A1040006	C CHIP 10V 0.1UF	
C7482	F1G1A1040006	C CHIP 10V 0.1UF	
C7483	F1G1A1040006	C CHIP 10V 0.1UF	
C7484	F1G1A1040006	C CHIP 10V 0.1UF	
C7485	F1G1A1040006	C CHIP 10V 0.1UF	
C7486	F1G1A1040006	C CHIP 10V 0.1UF	
C7487	F1G1A1040006	C CHIP 10V 0.1UF	
C7488	F1G1A1040006	C CHIP 10V 0.1UF	
C7489	F1G1A1040006	C CHIP 10V 0.1UF	
C7490	F1G1A1040006	C CHIP 10V 0.1UF	
C7491	F1G1A1040006	C CHIP 10V 0.1UF	
C7492	F1G1A1040006	C CHIP 10V 0.1UF	
C7493	F1J1A106A024	C CHIP 10V 10UF	
C7494	ECJ1VB1C223K	C CHIP 25V 0.022UF	
C7495	F1G1A1040006	C CHIP 10V 0.1UF	
C7496	F1G1A1040006	C CHIP 10V 0.1UF	
C7497	F1G1H1020008	C CHIP 50V 1000PF	
C7500	F1H1A105A025	C CHIP 10V 1UF	
C7501	F1H1A105A025	C CHIP 10V 1UF	
C7502	F1J1C1050011	C CHIP 16V 1UF	
C7504	F1H1A105A025	C CHIP 10V 1UF	
C7506	F1G1H1020008	C CHIP 50V 1000PF	
C7507	F1G1H1020008	C CHIP 50V 1000PF	
C7508	F1H1H120A230	C CHIP 50V 12PF	
C7509	F1H1H120A230	C CHIP 50V 12PF	
C7511	F1H1H220A230	C CHIP 50V 22PF	
C8001	F1H1C104A065	C CHIP 16V 0.1UF	
C8002	F1H1A105A025	C CHIP 10V 1UF	
C8003	F1H1A105A025	C CHIP 10V 1UF	
C8004	F1H1A105A025	C CHIP 10V 1UF	
C8006	F1G1A1040006	C CHIP 10V 0.1UF	
C8007	F1G1A1040006	C CHIP 10V 0.1UF	
C8008	F1G1A1040006	C CHIP 10V 0.1UF	
C8009	F1J1A106A024	C CHIP 10V 10UF	
C8010	F1J1A106A024	C CHIP 10V 10UF	
C8011	F1G1A1040006	C CHIP 10V 0.1UF	
C8012	F1G1A1040006	C CHIP 10V 0.1UF	
C8013	F1G1A1040006	C CHIP 10V 0.1UF	
C8014	F1G1A1040006	C CHIP 10V 0.1UF	
C8015	F1H1A105A025	C CHIP 10V 1UF	
C8016	F1H1A105A025	C CHIP 10V 1UF	
C8017	F1J1A106A024	C CHIP 10V 10UF	
C8018	F1G1A1040006	C CHIP 10V 0.1UF	
C8019	F1G1A1040006	C CHIP 10V 0.1UF	
C8020	F1G1A1040006	C CHIP 10V 0.1UF	
C8021	F1G1A1040006	C CHIP 10V 0.1UF	
C8022	F1H1A105A025	C CHIP 10V 1UF	
C8023	F1J1A106A024	C CHIP 10V 10UF	
C8024	F1J1A106A024	C CHIP 10V 10UF	
C8025	F1G1A1040006	C CHIP 10V 0.1UF	
C8026	F1G1A1040006	C CHIP 10V 0.1UF	
C8027	F1G1A1040006	C CHIP 10V 0.1UF	
C8028	F1G1A1040006	C CHIP 10V 0.1UF	
C8029	F1G1A1040006	C CHIP 10V 0.1UF	
C8030	F1H1A105A025	C CHIP 10V 1UF	
C8031	F1H1A105A025	C CHIP 10V 1UF	
C8032	F1J1A106A024	C CHIP 10V 10UF	
C8033	F1G1A1040006	C CHIP 10V 0.1UF	
C8034	F1G1A1040006	C CHIP 10V 0.1UF	
C8037	F1G1A1040006	C CHIP 10V 0.1UF	
C8038	F1G1A1040006	C CHIP 10V 0.1UF	
C8051	F1G1A1040006	C CHIP 10V 0.1UF	
C8052	F1H1A105A025	C CHIP 10V 1UF	
C8053	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8056	F1G1A1040006	C CHIP 10V 0.1UF	
C8057	F1G1A1040006	C CHIP 10V 0.1UF	
C8058	F1J1A106A024	C CHIP 10V 10UF	
C8067	ECJ1VB1H103K	C CHIP 50V 0.01UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C8068	F1H1C104A065	C CHIP 16V 0.1UF	
C8069	ECJ1VC1H820J	C CHIP 50V 82PF	
C8070	F1G1A1040006	C CHIP 10V 0.1UF	
C8071	F1G1A1040006	C CHIP 10V 0.1UF	
C8072	F1G1A1040006	C CHIP 10V 0.1UF	
C8073	F1G1A1040006	C CHIP 10V 0.1UF	
C8074	F1G1A1040006	C CHIP 10V 0.1UF	
C8075	F1J0G2260001	C CHIP 4V 22UF	
C8080	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8082	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8083	ECJ1VB1C473K	C CHIP 16V 0.047UF	
C8086	F1G1A1040006	C CHIP 10V 0.1UF	
C8087	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8088	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8089	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8201	F1H1C104A065	C CHIP 16V 0.1UF	
C8206	F1G1A1040006	C CHIP 10V 0.1UF	
C8207	F1G1A1040006	C CHIP 10V 0.1UF	
C8208	F1G1A1040006	C CHIP 10V 0.1UF	
C8209	F1G1A1040006	C CHIP 10V 0.1UF	
C8211	F1G1A1040006	C CHIP 10V 0.1UF	
C8212	F1G1A1040006	C CHIP 10V 0.1UF	
C8213	F1G1A1040006	C CHIP 10V 0.1UF	
C8214	F1J1A106A024	C CHIP 10V 10UF	
C8215	F1J1A106A024	C CHIP 10V 10UF	
C8216	F1G1A1040006	C CHIP 10V 0.1UF	
C8217	F1G1A1040006	C CHIP 10V 0.1UF	
C8218	F1G1A1040006	C CHIP 10V 0.1UF	
C8219	F1G1A1040006	C CHIP 10V 0.1UF	
C8405	F1H1C104A065	C CHIP 16V 0.1UF	
C8406	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8816	F1J1A106A024	C CHIP 10V 10UF	
C8821	ECJ1VC1H101J	C CHIP 50V 100PF	
C8871	ECJ1VC1H100D	C CHIP 50V 10PF	
C8872	F1H1H150A230	C CHIP 50V 15PF	
C8873	F1H1C104A065	C CHIP 16V 0.1UF	
C8874	F1H1C104A065	C CHIP 16V 0.1UF	
C8875	F1H1C104A065	C CHIP 16V 0.1UF	
C8876	F1H1C104A065	C CHIP 16V 0.1UF	
C8877	F1H1C104A065	C CHIP 16V 0.1UF	
C8878	F1H1C104A065	C CHIP 16V 0.1UF	
C8879	F1H1C104A065	C CHIP 16V 0.1UF	
C8880	F1H1C104A065	C CHIP 16V 0.1UF	
C8881	F1H1C104A065	C CHIP 16V 0.1UF	
C8882	F1H1C104A065	C CHIP 16V 0.1UF	
C8885	F1H1C104A065	C CHIP 16V 0.1UF	
C8887	F1H1C104A065	C CHIP 16V 0.1UF	
C8888	F1H1C104A065	C CHIP 16V 0.1UF	
C8889	F1H1C104A065	C CHIP 16V 0.1UF	
C8890	F1H1C104A065	C CHIP 16V 0.1UF	
C8891	F1H1C104A065	C CHIP 16V 0.1UF	
C8892	F1H1C104A065	C CHIP 16V 0.1UF	
C8893	F1H1C104A065	C CHIP 16V 0.1UF	
C8895	F1H1C104A065	C CHIP 16V 0.1UF	
C8896	F1H1C104A065	C CHIP 16V 0.1UF	
C8901	F1H1C104A065	C CHIP 16V 0.1UF	
C8902	F1H1C104A065	C CHIP 16V 0.1UF	
C8903	F1H1C104A065	C CHIP 16V 0.1UF	
C8904	F1H1C104A065	C CHIP 16V 0.1UF	
C8905	F1H1C104A065	C CHIP 16V 0.1UF	
C8906	F1H1C104A065	C CHIP 16V 0.1UF	
C8907	F1H1C104A065	C CHIP 16V 0.1UF	
C8908	F1H1C104A065	C CHIP 16V 0.1UF	
C8909	F1H1C104A065	C CHIP 16V 0.1UF	
C8910	F1H1C104A065	C CHIP 16V 0.1UF	
C8911	F1H1C104A065	C CHIP 16V 0.1UF	
C8912	F1H1C104A065	C CHIP 16V 0.1UF	
C8913	F1H1C104A065	C CHIP 16V 0.1UF	
C8914	F1H1C104A065	C CHIP 16V 0.1UF	
C8915	F1H1C104A065	C CHIP 16V 0.1UF	
C8916	F1J1A106A024	C CHIP 10V 10UF	
C8917	F1H1C104A065	C CHIP 16V 0.1UF	
C8918	F1H1A105A025	C CHIP 10V 1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C8920	F1G1H1020008	C CHIP 50V 1000PF	
C8921	F1G1H1020008	C CHIP 50V 1000PF	
C8922	F1G1C103A048	C CHIP 16V 0.01UF	
C8923	F1G1C103A048	C CHIP 16V 0.01UF	
C8924	ECJ0EC1H270J	C CHIP 50V 27PF	
C8925	F1G1H120A422	C CHIP 50V 12PF	
C8926	F1G1H120A422	C CHIP 50V 12PF	
C8927	ECJ0EC1H270J	C CHIP 50V 27PF	
C8928	ECJ0EC1H101J	C CHIP 50V 100PF	
C8929	ECJ0EC1H101J	C CHIP 50V 100PF	
C8930	F1G1H470A557	C CHIP 50V 47PF	
C8931	F1G1H470A557	C CHIP 50V 47PF	
C8947	F1J1A106A024	C CHIP 10V 10UF	
C8954	F1J1A106A024	C CHIP 10V 10UF	
C8955	F1J1A106A024	C CHIP 10V 10UF	
C8956	F1J1A106A024	C CHIP 10V 10UF	
C8959	F1H1C104A065	C CHIP 16V 0.1UF	

FILTERS

Ref. No.	Part No.	Part Name & Description	Remarks
FL8201	J0HAAA000013	FILTER FOR EMI / EMC	
FL8202	J0HAAA000013	FILTER FOR EMI / EMC	
FL8803	J0MAB0000164	FILTER	
FL8813	J0MAB0000164	FILTER	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L1101	G1C220MA0234	COIL CHIP 22UH	
L1102	G1C100MA0234	COIL CHIP 10UH	
L1103	G1C100ZA0083	COIL CHIP 10UH	
L1104	G1C100ZA0083	COIL CHIP 10UH	
L1105	G1C220MA0234	COIL CHIP 22UH	
L1106	G1C100ZA0083	COIL CHIP 10UH	
L1107	G1C100MA0234	COIL CHIP 10UH	
L1108	J0JHC0000031	EMI FILTER CHIP	
L1109	G1C100MA0173	COIL CHIP 10UH	
L1110	J0JHC0000031	EMI FILTER CHIP	
L1111	J0JHC0000031	EMI FILTER CHIP	
L1112	J0JHC0000031	EMI FILTER CHIP	
L1113	J0JHC0000031	EMI FILTER CHIP	
L1114	J0JBC0000014	BEAD INDUCTOR CHIP	
L1115	J0JBC0000014	BEAD INDUCTOR CHIP	
L1116	J0JHC0000031	EMI FILTER CHIP	
L1118	J0JHC0000031	EMI FILTER CHIP	
L1119	J0JHC0000031	EMI FILTER CHIP	
L1120	J0JHC0000031	EMI FILTER CHIP	
L1121	J0JHC0000031	EMI FILTER CHIP	
L1122	J0JHC0000031	EMI FILTER CHIP	
L1123	J0JHC0000031	EMI FILTER CHIP	
L1201	G1C100MA0234	COIL CHIP 10UH	
L1202	G1C100ZA0083	COIL CHIP 10UH	
L1203	G1C100MA0234	COIL CHIP 10UH	
L3001	G1C470K00019	COIL CHIP 47UH	
L3003	J0JCC0000077	EMI FILTER CHIP	
L3004	J0JBC0000014	BEAD INDUCTOR CHIP	
L3005	J0JBC0000014	BEAD INDUCTOR CHIP	
L3006	J0JBC0000014	BEAD INDUCTOR CHIP	
L3007	J0JBC0000014	BEAD INDUCTOR CHIP	
L3008	J0JBC0000014	BEAD INDUCTOR CHIP	
L3009	J0JBC0000014	BEAD INDUCTOR CHIP	
L3010	J0JBC0000014	BEAD INDUCTOR CHIP	
L3011	J0JBC0000014	BEAD INDUCTOR CHIP	
L3012	J0JBC0000014	BEAD INDUCTOR CHIP	
L3013	J0JBC0000014	BEAD INDUCTOR CHIP	
L3014	J0JBC0000014	BEAD INDUCTOR CHIP	
L3015	J0JBC0000014	BEAD INDUCTOR CHIP	
L3016	J0JBC0000014	BEAD INDUCTOR CHIP	
L3017	J0JBC0000014	BEAD INDUCTOR CHIP	
L3018	J0JHC0000078	EMI FILTER CHIP	
L3019	J0JBC0000014	BEAD INDUCTOR CHIP	
L4001	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L4002	J0JHC0000078	EMI FILTER CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
L4003	J0JCC0000077	EMI FILTER CHIP	
L4004	G1C101KA0055	COIL CHIP 100UH	
L4501	G1C100MA0173	COIL CHIP 10UH	
L4502	G1C100MA0173	COIL CHIP 10UH	
L4503	G1C100MA0173	COIL CHIP 10UH	
L4504	G1C100MA0173	COIL CHIP 10UH	
L4505	ERJ8GEY0R00V	MGF CHIP 1/8W 0	
L5000	J0JHC0000078	EMI FILTER CHIP	
L5001	J0JHC0000031	EMI FILTER CHIP	
L5002	J0JHC0000031	EMI FILTER CHIP	
L5003	J0JHC0000031	EMI FILTER CHIP	
L5004	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5005	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5006	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5007	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5008	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5009	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5010	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5011	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5012	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5013	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5014	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5015	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5016	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5017	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5018	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5019	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5020	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5021	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5022	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5023	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5024	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5025	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5026	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5027	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5028	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5029	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5030	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5031	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5032	J0JYC0000014	FILTER FOR EMI / EMC (BEADS CORES)	
L5500	J0JHC0000045	EMI FILTER CHIP	
L5501	J0JHC0000045	EMI FILTER CHIP	
L5502	J0JHC0000045	EMI FILTER CHIP	
L5503	J0JHC0000045	EMI FILTER CHIP	
L5504	J0JHC0000078	EMI FILTER CHIP	
L5505	J0JHC0000078	EMI FILTER CHIP	
L5506	J0JHC0000078	EMI FILTER CHIP	
L5507	J0JHC0000078	EMI FILTER CHIP	
L5508	J0JHC0000045	EMI FILTER CHIP	
L5512	J0JCC0000077	EMI FILTER CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
L5515	J0JHC0000078	EMI FILTER CHIP	
L5516	J0JHC0000078	EMI FILTER CHIP	
L5518	J0JHC0000078	EMI FILTER CHIP	
L5520	J0JHC0000078	EMI FILTER CHIP	
L5521	J0JHC0000078	EMI FILTER CHIP	
L5522	G1C101KA0055	COIL CHIP 100UH	
L6001	J0JHC0000031	EMI FILTER CHIP	
L6002	J0JHC0000078	EMI FILTER CHIP	
L6003	J0JBC0000080	BEAD INDUCTOR CHIP	
L6004	J0JBC0000080	BEAD INDUCTOR CHIP	
L6005	J0JBC0000080	BEAD INDUCTOR CHIP	
L6006	J0JBC0000080	BEAD INDUCTOR CHIP	
L6007	J0JBC0000080	BEAD INDUCTOR CHIP	
L6008	J0JBC0000080	BEAD INDUCTOR CHIP	
L7003	J0JHC0000031	EMI FILTER CHIP	
L7101	J0JHC0000078	EMI FILTER CHIP	
L7102	G1C100KA0009	COIL CHIP 10UH	
L7103	J0JCC0000077	EMI FILTER CHIP	
L7104	J0JCC0000077	EMI FILTER CHIP	
L7105	J0JHC0000078	EMI FILTER CHIP	
L7106	J0JHC0000078	EMI FILTER CHIP	
L7107	J0JHC0000078	EMI FILTER CHIP	
L7116	J0JHC0000078	EMI FILTER CHIP	
L7117	J0JHC0000078	EMI FILTER CHIP	
L7118	J0JHC0000078	EMI FILTER CHIP	
L7119	J0JHC0000078	EMI FILTER CHIP	
L7120	J0JCC0000077	EMI FILTER CHIP	
L7121	J0JCC0000077	EMI FILTER CHIP	
L8001	J0JHC0000045	EMI FILTER CHIP	
L8002	J0JHC0000045	EMI FILTER CHIP	
L8003	J0JHC0000045	EMI FILTER CHIP	
L8004	J0JHC0000045	EMI FILTER CHIP	
L8005	J0JHC0000045	EMI FILTER CHIP	
L8006	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8007	J0JHC0000045	EMI FILTER CHIP	
L8008	J0JHC0000045	EMI FILTER CHIP	
L8009	J0JHC0000045	EMI FILTER CHIP	
L8010	J0JHC0000045	EMI FILTER CHIP	
L8201	J0JCC0000077	EMI FILTER CHIP	
L8401	J0JCC0000077	EMI FILTER CHIP	
L8817	G1CR22JA0020	COIL CHIP 0.22UH	
L8818	G1CR22JA0020	COIL CHIP 0.22UH	
L8819	G1CR39JA0020	COIL CHIP 0.39UH	
L8821	J0JHC0000045	EMI FILTER CHIP	
L8824	J0JHC0000045	EMI FILTER CHIP	
L8825	J0JHC0000045	EMI FILTER CHIP	
L8826	J0JCC0000100	EMI FILTER CHIP	
L8827	J0JCC0000100	EMI FILTER CHIP	
L8828	J0JHC0000045	EMI FILTER CHIP	

CRYSTAL OSCILLATOR

Ref. No.	Part No.	Part Name & Description	Remarks
X4001	H0J245500082	SURFACE MOUNTING CRYSTAL RESONATORS	
X5500	H0J270500113	SURFACE MOUNTING CRYSTAL RESONATORS	
X6001	H0J100500035	SURFACE MOUNTING CRYSTAL RESONATORS	
X7101	H0J270500087	CRYSTAL OSCILLATOR CHIP	
X8001	H0J270500114	SURFACE MOUNTING CRYSTAL RESONATORS	
X8801	H0J250500079	SURFACE MOUNTING CRYSTAL RESONATORS	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
CN1101	K1KA14AA0153	CONNECTOR 14P	
CN1102	K1KA02AA0150	CONNECTOR 2P	
CN3001	K1KB35BA0023	CONNECTOR 35P	
CN3002	K1FY115B0005	B-SUB JACK SOCKET	
CN4501	K1KA06AA0150	CONNECTOR 6P	
CN5500	K1FA119E0002	HDMI JACK SOCKET	
CN5501	K1FA119E0002	HDMI JACK SOCKET	

Ref. No.	Part No.	Part Name & Description	Remarks
CN5503	K1KA30AA0009	CONNECTOR 30P	
CN6003	K1KA08AA0150	CONNECTOR 8P	
CN6005	K1KA07AA0104	CONNECTOR 7P	
CN7001	K1KB50AA0225	CONNECTOR 50P	
CN7101	K1KA07AA0266	CONNECTOR 7P	
CN7102	K1KA07AA0266	CONNECTOR 7P	
CN8201	K1KA12AA0105	CONNECTOR 12P	
CN8401	K1KA04AA0104	CONNECTOR 4P	
CN8403	K1KA11AA0105	CONNECTOR 11P	
CN8801	K1KB20A00165	CONNECTOR 20P	

JACK

Ref. No.	Part No.	Part Name & Description	Remarks
JK3101	K2HC1YYB0001	JACKS FOR SMALL SIGNAL (EQUIPMENT SIDE)	

13.4.2. DRIVE P.C.B.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC2001	COABCZ000008	IC, LINEAR	
or	COABCA000064	IC, LINEAR	
IC2001	COABCZ000008	IC, LINEAR	
or	COABCA000064	IC, LINEAR	
IC2002	COABCZ000008	IC, LINEAR	
or	COABCA000064	IC, LINEAR	
IC2003	COABCZ000008	IC, LINEAR	
or	COABCA000064	IC, LINEAR	
IC2003	COABCZ000008	IC, LINEAR	
or	COABCA000064	IC, LINEAR	
IC2004	C0JBAR000359	IC, LOGIC	E.S.D.
IC2202	COABCZ000008	IC, LINEAR	
or	COABCA000064	IC, LINEAR	
IC2202	COABCZ000008	IC, LINEAR	
or	COABCA000064	IC, LINEAR	
IC2501	C1AB00002619	IC, LINEAR	CSP
IC2701	C0DBEKG00004	IC, LINEAR	
IC2702	C0DBZH00012	IC, LINEAR	
IC2703	C0DBAYY00219	IC, LINEAR	
IC2704	C0DBZFG00012	IC, LINEAR	
IC2706	C0DBAYY00214	IC, LINEAR	
IC2901	C0JBCZ000519	IC, LOGIC	E.S.D.
IC2902	C0JBCZ000519	IC, LOGIC	E.S.D.
IC2903	C0CBCBC00130	IC, LINEAR	
IC2904	C0CBCBC00130	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q2001	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q2002	2SB1218AHL	TRANSISTOR SI PNP CHIP	
or	B1ADCF000063	TRANSISTOR SI PNP CHIP	
or	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q2003	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q2004	2SB1218AHL	TRANSISTOR SI PNP CHIP	
or	B1ADCF000063	TRANSISTOR SI PNP CHIP	
or	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q2004	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q2005	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q2006	2SB1218AHL	TRANSISTOR SI PNP CHIP	
or	B1ADCF000063	TRANSISTOR SI PNP CHIP	
or	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q2006	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q2007	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q2008	2SB1218AHL	TRANSISTOR SI PNP CHIP	
or	B1ADCF000063	TRANSISTOR SI PNP CHIP	
or	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q2008	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q2009	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q2010	2SB1218AHL	TRANSISTOR SI PNP CHIP	
or	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q2010	B1ADCF000063	TRANSISTOR SI PNP CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
or	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q2010	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q2012	2SB1218AHL	TRANSISTOR SI PNP CHIP	
or	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q2012	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q2701	2SD1819AOL	TRANSISTOR SI NPN CHIP	
or	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q2701	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q2702	2SD1819AOL	TRANSISTOR SI NPN CHIP	
or	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q2702	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q2703	B1DHDC000028	TRANSISTOR SI FET CHIP	
Q2704	B1DHCC000034	TRANSISTOR SI FET CHIP	
Q2705	B1CHPD000003	TRANSISTOR FET	
Q2706	B1CHPD000003	TRANSISTOR FET	
Q2707	2SC559200L	TRANSISTOR SI NPN CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D2701	B0ECKP000002	DIODE SI CHIP	
D2702	B0ECKP000002	DIODE SI CHIP	
D2703	MA24D5400B	SCHOTTKY BARRIER DIODES	
D2704	MA24D5400B	SCHOTTKY BARRIER DIODES	
D2705	MA2J111008	DIODE SI CHIP	
or	B0ACCK000005	DIODE SI CHIP	
D2705	MA2J11100L	DIODE SI CHIP	
D2706	B0ECKP000002	DIODE SI CHIP	
D2707	B0ECKP000002	DIODE SI CHIP	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R2005	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R2006	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R2007	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R2008	EXB38V102JV	ARRAY CHIP 1K	
R2009	EXB38V102JV	ARRAY CHIP 1K	
R2010	EXB38V102JV	ARRAY CHIP 1K	
R2011	EXB38V102JV	ARRAY CHIP 1K	
R2012	EXB38V102JV	ARRAY CHIP 1K	
R2013	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2014	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2015	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2016	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2017	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2018	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2019	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2020	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2021	EXB38V102JV	ARRAY CHIP 1K	
R2022	EXB38V102JV	ARRAY CHIP 1K	
R2023	EXB38V102JV	ARRAY CHIP 1K	
R2024	EXB38V102JV	ARRAY CHIP 1K	
R2025	EXB38V102JV	ARRAY CHIP 1K	
R2026	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R2027	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R2028	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R2029	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R2030	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2031	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2032	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2034	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2035	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2036	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2037	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2039	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2041	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	

Ref. No.	Part No.	Part Name & Description	Remarks
R2043	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2045	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2047	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2048	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2049	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2050	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2051	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R2052	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R2053	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R2054	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R2055	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R2056	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R2057	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R2058	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R2059	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R2060	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R2061	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R2062	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R2063	ERJ3GEYJ512V	MGF CHIP1/16W 5.1K	
R2064	ERJ3GEYJ512V	MGF CHIP1/16W 5.1K	
R2065	ERJ3GEYJ512V	MGF CHIP1/16W 5.1K	
R2112	EXB38V102JV	ARRAY CHIP 1K	
R2113	EXB38V102JV	ARRAY CHIP 1K	
R2114	EXB38V102JV	ARRAY CHIP 1K	
R2115	EXB38V102JV	ARRAY CHIP 1K	
R2116	EXB38V102JV	ARRAY CHIP 1K	
R2117	EXB38V102JV	ARRAY CHIP 1K	
R2118	EXB38V102JV	ARRAY CHIP 1K	
R2119	EXB38V102JV	ARRAY CHIP 1K	
R2120	EXB38V102JV	ARRAY CHIP 1K	
R2121	EXB38V102JV	ARRAY CHIP 1K	
R2123	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2125	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2127	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2129	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2131	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2134	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2136	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2137	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2138	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2205	EXB38V102JV	ARRAY CHIP 1K	
R2206	EXB38V102JV	ARRAY CHIP 1K	
R2207	EXB38V102JV	ARRAY CHIP 1K	
R2208	EXB38V102JV	ARRAY CHIP 1K	
R2209	EXB38V102JV	ARRAY CHIP 1K	
R2210	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2211	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2212	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2213	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2214	EXB38V102JV	ARRAY CHIP 1K	
R2215	EXB38V102JV	ARRAY CHIP 1K	
R2216	EXB38V102JV	ARRAY CHIP 1K	
R2217	EXB38V102JV	ARRAY CHIP 1K	
R2218	EXB38V102JV	ARRAY CHIP 1K	
R2219	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R2220	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R2221	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2223	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2224	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2225	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2227	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2229	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2231	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2233	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2236	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2238	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2239	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2240	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2501	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2502	EXB28V820JX	ARRAY CHIP 82	
R2503	EXB28V820JX	ARRAY CHIP 82	
R2504	EXB28V820JX	ARRAY CHIP 82	
R2505	EXB28V820JX	ARRAY CHIP 82	

Ref. No.	Part No.	Part Name & Description	Remarks
R2506	EXB28V820JX	ARRAY CHIP 82	
R2507	EXB28V820JX	ARRAY CHIP 82	
R2508	EXB28V820JX	ARRAY CHIP 82	
R2509	EXB28V820JX	ARRAY CHIP 82	
R2510	EXB28V820JX	ARRAY CHIP 82	
R2511	EXB28V820JX	ARRAY CHIP 82	
R2512	EXB28V820JX	ARRAY CHIP 82	
R2513	EXB28V820JX	ARRAY CHIP 82	
R2514	EXB28V820JX	ARRAY CHIP 82	
R2515	EXB28V820JX	ARRAY CHIP 82	
R2516	EXB28V820JX	ARRAY CHIP 82	
R2517	EXB28V820JX	ARRAY CHIP 82	
R2518	EXB28V820JX	ARRAY CHIP 82	
R2519	EXB28V820JX	ARRAY CHIP 82	
R2520	EXB28V820JX	ARRAY CHIP 82	
R2521	EXB28V820JX	ARRAY CHIP 82	
R2522	EXB28V820JX	ARRAY CHIP 82	
R2523	EXB28V820JX	ARRAY CHIP 82	
R2524	EXB28V820JX	ARRAY CHIP 82	
R2525	EXB28V820JX	ARRAY CHIP 82	
R2526	EXB28V820JX	ARRAY CHIP 82	
R2527	EXB28V820JX	ARRAY CHIP 82	
R2528	EXB28V820JX	ARRAY CHIP 82	
R2529	EXB28V820JX	ARRAY CHIP 82	
R2530	EXB28V820JX	ARRAY CHIP 82	
R2531	EXB28V820JX	ARRAY CHIP 82	
R2532	EXB28V820JX	ARRAY CHIP 82	
R2533	EXB28V820JX	ARRAY CHIP 82	
R2534	EXB28V820JX	ARRAY CHIP 82	
R2535	EXB28V820JX	ARRAY CHIP 82	
R2536	EXB28V820JX	ARRAY CHIP 82	
R2537	EXB28V820JX	ARRAY CHIP 82	
R2538	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2539	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2540	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2701	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R2703	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R2704	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R2705	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2707	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R2708	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2709	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2711	D1BDR062A042	MGF CHIP 1/10W 62	
R2713	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R2714	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R2716	ERJ3GEYJ303V	MGF CHIP1/16W 30K	
R2717	ERA3YED103V	MGF CHIP 1/16W 10K	
R2718	ERA3YED332V	MGF CHIP 1/16W 3.3K	
R2719	ERJ6GEYJ100V	MGF CHIP 1/10W 0	
R2720	ERA3YED333V	MGF CHIP 1/16W 33K	
R2721	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R2722	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R2723	ERA3YED562V	MGF CHIP 1/16W 5.6K	
R2724	ERJ3GEYJ271V	MGF CHIP 1/16W 270	
R2725	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R2726	ERA3YED103V	MGF CHIP 1/16W 10K	
R2727	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2728	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2729	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R2731	ERJ3GEYJ393V	MGF CHIP 1/16W 39K	
R2732	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R2733	D1JBR102A006	FUSE 32V 0.8A	
R2901	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2902	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2903	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2904	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2905	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2906	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2907	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2908	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2909	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2910	ERJ3GEYJ100V	MGF CHIP 1/16W 0	
R2911	ERJ3GEYJ100V	MGF CHIP 1/16W 0	

Ref. No.	Part No.	Part Name & Description	Remarks
R2912	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R2913	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R2914	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R2915	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R2916	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R2917	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R2918	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R2919	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R2920	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R2921	ERJ3GEYJ220V	MGF CHIP 1/16W 22	
R2922	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2923	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2924	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2925	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2926	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2927	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2928	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2929	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2930	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2931	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R2932	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R2933	ERJ3GEYJ470V	MGF CHIP 1/16W 47	
R2934	EXB38V101JV	ARRAY CHIP 100	
R2935	EXB38V101JV	ARRAY CHIP 100	
R2936	EXB38V101JV	ARRAY CHIP 100	
R2937	EXB38V101JV	ARRAY CHIP 100	
R2938	EXB38V101JV	ARRAY CHIP 100	
R2939	EXB38V101JV	ARRAY CHIP 100	
R2940	EXB38V101JV	ARRAY CHIP 100	
R2941	EXB38V101JV	ARRAY CHIP 100	
R2942	EXB38V101JV	ARRAY CHIP 100	
R2943	EXB38V101JV	ARRAY CHIP 100	
R2944	EXB38V101JV	ARRAY CHIP 100	
R2945	EXB38V101JV	ARRAY CHIP 100	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C2060	ECJ1VC1H471J	C CHIP 50V 470PF	
C2061	ECJ1VC1H471J	C CHIP 50V 470PF	
C2062	ECJ1VC1H471J	C CHIP 50V 470PF	
C2063	F1J1A2250007	C CHIP 10V 2.2UF	
C2064	F1J1A2250007	C CHIP 10V 2.2UF	
C2065	F1J1A2250007	C CHIP 10V 2.2UF	
C2066	ECJ3YB1C225K	C CHIP 16V 2.2UF	
C2067	F1J1A2250007	C CHIP 10V 2.2UF	
C2068	F1H1C104A008	C CHIP 16V 0.1UF	
C2069	F1J1A2250007	C CHIP 10V 2.2UF	
C2070	F1J1A2250007	C CHIP 10V 2.2UF	
C2072	F1J1A2250007	C CHIP 10V 2.2UF	
C2073	F1J1A2250007	C CHIP 10V 2.2UF	
C2075	F1J1A2250007	C CHIP 10V 2.2UF	
C2077	F1J1A2250007	C CHIP 10V 2.2UF	
C2079	F1J1A2250007	C CHIP 10V 2.2UF	
C2081	F1J1A2250007	C CHIP 10V 2.2UF	
C2082	EEE1EA470WP	ELECTROLYTIC CHIP 25V 47PF	
C2083	ECJ3YB1C225K	C CHIP 16V 2.2UF	
C2085	ECJ3YB1C225K	C CHIP 16V 2.2UF	
C2086	F1J1A2250007	C CHIP 10V 2.2UF	
C2087	ECJ3YB1C225K	C CHIP 16V 2.2UF	
C2092	F1J1A2250007	C CHIP 10V 2.2UF	
C2093	F1J1A2250007	C CHIP 10V 2.2UF	
C2094	F1H1H102A219	C CHIP 50V 1000PF	
C2095	F1H1H102A219	C CHIP 50V 1000PF	
C2096	F1J1A2250007	C CHIP 10V 2.2UF	
C2097	ECJ3YB1C225K	C CHIP 16V 2.2UF	
C2098	F1J1A2250007	C CHIP 10V 2.2UF	
C2099	F1J1A2250007	C CHIP 10V 2.2UF	
C2100	F1J1A2250007	C CHIP 10V 2.2UF	
C2101	F1J1A2250007	C CHIP 10V 2.2UF	
C2102	F1J1A2250007	C CHIP 10V 2.2UF	
C2103	F1J1A2250007	C CHIP 10V 2.2UF	
C2104	F1J1A2250007	C CHIP 10V 2.2UF	
C2105	F1J1A2250007	C CHIP 10V 2.2UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C2106	ECJ3YB1C225K	C CHIP 16V 2.2UF	
C2109	F1J1A2250007	C CHIP 10V 2.2UF	
C2110	F1J1A2250007	C CHIP 10V 2.2UF	
C2111	F1J1A2250007	C CHIP 10V 2.2UF	
C2112	F1J1A2250007	C CHIP 10V 2.2UF	
C2113	F1J1A2250007	C CHIP 10V 2.2UF	
C2114	F1J1A2250007	C CHIP 10V 2.2UF	
C2115	F1J1A2250007	C CHIP 10V 2.2UF	
C2116	F1J1A2250007	C CHIP 10V 2.2UF	
C2117	F1J1A2250007	C CHIP 10V 2.2UF	
C2118	F1J1A2250007	C CHIP 10V 2.2UF	
C2119	F1J1A2250007	C CHIP 10V 2.2UF	
C2121	F1J1A2250007	C CHIP 10V 2.2UF	
C2124	F1J1A2250007	C CHIP 10V 2.2UF	
C2125	F1J1A2250007	C CHIP 10V 2.2UF	
C2126	F1J1A2250007	C CHIP 10V 2.2UF	
C2201	F1J1A2250007	C CHIP 10V 2.2UF	
C2202	F1J1A2250007	C CHIP 10V 2.2UF	
C2203	F1J1A2250007	C CHIP 10V 2.2UF	
C2204	ECJ3YB1C225K	C CHIP 16V 2.2UF	
C2206	F1J1A2250007	C CHIP 10V 2.2UF	
C2207	F1J1A2250007	C CHIP 10V 2.2UF	
C2208	F1J1A2250007	C CHIP 10V 2.2UF	
C2209	F1J1A2250007	C CHIP 10V 2.2UF	
C2210	F1J1A2250007	C CHIP 10V 2.2UF	
C2211	F1J1A2250007	C CHIP 10V 2.2UF	
C2212	F1J1A2250007	C CHIP 10V 2.2UF	
C2213	F1J1A2250007	C CHIP 10V 2.2UF	
C2214	F1J1A2250007	C CHIP 10V 2.2UF	
C2215	F1J1A2250007	C CHIP 10V 2.2UF	
C2216	F1J1A2250007	C CHIP 10V 2.2UF	
C2218	F1J1A2250007	C CHIP 10V 2.2UF	
C2220	F1J1A2250007	C CHIP 10V 2.2UF	
C2221	ECJ3YB1C225K	C CHIP 16V 2.2UF	
C2224	F1J1A2250007	C CHIP 10V 2.2UF	
C2225	F1H1H102A219	C CHIP 50V 1000PF	
C2501	F1J1E106A024	C CHIP 10V 10UF	
C2502	F1H1E104A030	C CHIP 25V 0.1UF	
C2503	F1H1E104A030	C CHIP 25V 0.1UF	
C2504	F1H1E104A030	C CHIP 25V 0.1UF	
C2505	F1H1E104A030	C CHIP 25V 0.1UF	
C2506	F1H1E104A030	C CHIP 25V 0.1UF	
C2507	F1H1E104A030	C CHIP 25V 0.1UF	
C2508	F1H1E104A030	C CHIP 25V 0.1UF	
C2509	F1H1E104A030	C CHIP 25V 0.1UF	
C2510	F1H1E104A030	C CHIP 25V 0.1UF	
C2511	F1H1E104A030	C CHIP 25V 0.1UF	
C2512	F1J1A106A024	C CHIP 10V 10UF	
C2513	F1H1E104A030	C CHIP 25V 0.1UF	
C2514	F1H1E104A030	C CHIP 25V 0.1UF	
C2515	F1H1E104A030	C CHIP 25V 0.1UF	
C2516	F1H1E104A030	C CHIP 25V 0.1UF	
C2517	F1H1E104A030	C CHIP 25V 0.1UF	
C2518	F1H1E104A030	C CHIP 25V 0.1UF	
C2519	F1H1E104A030	C CHIP 25V 0.1UF	
C2520	F1H1E104A030	C CHIP 25V 0.1UF	
C2521	F1H1E104A030	C CHIP 25V 0.1UF	
C2522	F1J1A106A024	C CHIP 10V 10UF	
C2523	F1H1E104A030	C CHIP 25V 0.1UF	
C2524	F1H1E104A030	C CHIP 25V 0.1UF	
C2525	F1H1E104A030	C CHIP 25V 0.1UF	
C2526	F1H1E104A030	C CHIP 25V 0.1UF	
C2527	F1H1E104A030	C CHIP 25V 0.1UF	
C2528	F1H1E104A030	C CHIP 25V 0.1UF	
C2529	F1H1E104A030	C CHIP 25V 0.1UF	
C2530	F1H1E104A030	C CHIP 25V 0.1UF	
C2531	F1H1E104A030	C CHIP 25V 0.1UF	
C2547	F1J1A106A024	C CHIP 10V 10UF	
C2548	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C2549	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C2701	F1J1A106A024	C CHIP 10V 10UF	
C2703	F1J1A106A024	C CHIP 10V 10UF	
C2705	F1H1C104A065	C CHIP 16V 0.1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C2707	F1H1C104A065	C CHIP 16V 0.1UF	
C2708	F1H1C104A065	C CHIP 16V 0.1UF	
C2710	F1J0J2260004	C CHIP 6.3V 22UF	
C2712	F1H1H332A219	C CHIP 50V 3300PF	
C2714	F1L1C2260012	C CHIP 16V 22UF	
C2715	F2G1C2200012	ELECTROLYTIC CHIP 16V 22UF	
C2716	F2G1C2200012	ELECTROLYTIC CHIP 16V 22UF	
C2718	EEE1AA470WR	ELECTROLYTIC CHIP 10V 47PF	
C2719	EEE1AA470WR	ELECTROLYTIC CHIP 10V 47PF	
C2721	F2G1C2200012	ELECTROLYTIC CHIP 16V 22UF	
C2722	F2G0J3310025	ELECTROLYTIC CHIP 6.3V 330UF	
C2723	F1K1C1060001	C CHIP 16V 10UF	
C2725	F1J1A106A024	C CHIP 10V 10UF	
C2726	F1H1A105A025	C CHIP 10V 1UF	
C2727	ECJ1VB1H331K	C CHIP 50V 330PF	
C2728	F1H1C104A065	C CHIP 16V 0.1UF	
C2729	F1J1A2250007	C CHIP 10V 2.2UF	
C2730	F1H1H471A189	C CHIP 50V 470PF	
C2731	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C2732	F1H1H472A219	C CHIP 50V 4700PF	
C2733	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C2734	ECJ1VF1H103Z	C CHIP 50V 0.01UF	
C2901	F1H1H102A219	C CHIP 50V 1000PF	
C2902	F1H1A105A025	C CHIP 10V 1UF	
C2903	F1H1A105A025	C CHIP 10V 1UF	
C2904	F1H1A105A025	C CHIP 10V 1UF	
C2905	F1H1A105A025	C CHIP 10V 1UF	
C2906	F1K1C1060001	C CHIP 16V 10UF	
C2907	F1K1C1060001	C CHIP 16V 10UF	
C2908	F1H1E104A030	C CHIP 25V 0.1UF	
C2909	F1J1A106A024	C CHIP 10V 10UF	
C2910	F1H1E104A030	C CHIP 25V 0.1UF	
C2911	F1J1A106A024	C CHIP 10V 10UF	
C2912	F1H1E104A030	C CHIP 25V 0.1UF	
C2913	F1J1A106A024	C CHIP 10V 10UF	
C2914	F1H1E104A030	C CHIP 25V 0.1UF	
C2915	F1J1A106A024	C CHIP 10V 10UF	
C2917	F1H1E104A030	C CHIP 25V 0.1UF	
C2918	F1H1E104A030	C CHIP 25V 0.1UF	
C2919	F1H1E104A030	C CHIP 25V 0.1UF	
C2920	F1H1E104A030	C CHIP 25V 0.1UF	
C2921	F1H1E104A030	C CHIP 25V 0.1UF	
C2922	F1H1E104A030	C CHIP 25V 0.1UF	
C2923	F1H1E104A030	C CHIP 25V 0.1UF	
C2924	F1H1E104A030	C CHIP 25V 0.1UF	
C2925	F1J1A106A024	C CHIP 10V 10UF	
C2926	F1J1A106A024	C CHIP 10V 10UF	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L2001	J0JCC0000077	EMI FILTER CHIP	
L2002	J0JCC0000077	EMI FILTER CHIP	
L2003	J0JCC0000077	EMI FILTER CHIP	
L2004	J0JCC0000077	EMI FILTER CHIP	
L2005	J0JCC0000181	EMI FILTER CHIP	
L2101	J0JCC0000077	EMI FILTER CHIP	
L2102	J0JCC0000077	EMI FILTER CHIP	
L2103	J0JCC0000077	EMI FILTER CHIP	
L2104	J0JCC0000077	EMI FILTER CHIP	
L2105	J0JCC0000077	EMI FILTER CHIP	
L2106	J0JCC0000077	EMI FILTER CHIP	
L2107	J0JCC0000077	EMI FILTER CHIP	
L2201	J0JCC0000077	EMI FILTER CHIP	
L2202	J0JCC0000077	EMI FILTER CHIP	
L2203	J0JCC0000077	EMI FILTER CHIP	
L2204	J0JCC0000077	EMI FILTER CHIP	
L2401	J0JDC0000105	EMI FILTER CHIP	
L2402	J0JDC0000105	EMI FILTER CHIP	
L2403	J0JDC0000105	EMI FILTER CHIP	
L2404	J0JDC0000105	EMI FILTER CHIP	
L2405	J0JDC0000105	EMI FILTER CHIP	
L2406	J0JDC0000105	EMI FILTER CHIP	
L2407	J0JDC0000105	EMI FILTER CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
L2408	J0JDC0000105	EMI FILTER CHIP	
L2409	J0JDC0000105	EMI FILTER CHIP	
L2410	J0JDC0000105	EMI FILTER CHIP	
L2411	J0JDC0000105	EMI FILTER CHIP	
L2412	J0JDC0000105	EMI FILTER CHIP	
L2413	J0JDC0000105	EMI FILTER CHIP	
L2414	J0JDC0000105	EMI FILTER CHIP	
L2415	J0JDC0000105	EMI FILTER CHIP	
L2416	J0JDC0000105	EMI FILTER CHIP	
L2417	J0JDC0000105	EMI FILTER CHIP	
L2418	J0JDC0000105	EMI FILTER CHIP	
L2419	J0JDC0000105	EMI FILTER CHIP	
L2420	J0JDC0000105	EMI FILTER CHIP	
L2421	J0JDC0000105	EMI FILTER CHIP	
L2422	J0JDC0000105	EMI FILTER CHIP	
L2423	J0JDC0000105	EMI FILTER CHIP	
L2424	J0JDC0000105	EMI FILTER CHIP	
L2425	J0JDC0000105	EMI FILTER CHIP	
L2426	J0JDC0000105	EMI FILTER CHIP	
L2427	J0JDC0000105	EMI FILTER CHIP	
L2428	J0JDC0000105	EMI FILTER CHIP	
L2429	J0JDC0000105	EMI FILTER CHIP	
L2430	J0JDC0000105	EMI FILTER CHIP	
L2431	J0JDC0000105	EMI FILTER CHIP	
L2432	J0JDC0000105	EMI FILTER CHIP	
L2433	J0JDC0000105	EMI FILTER CHIP	
L2435	J0JDC0000105	EMI FILTER CHIP	
L2436	J0JDC0000105	EMI FILTER CHIP	
L2437	J0JDC0000105	EMI FILTER CHIP	
L2438	J0JDC0000105	EMI FILTER CHIP	
L2439	J0JDC0000105	EMI FILTER CHIP	
L2440	J0JDC0000105	EMI FILTER CHIP	
L2441	J0JDC0000105	EMI FILTER CHIP	
L2442	J0JDC0000105	EMI FILTER CHIP	
L2443	J0JDC0000105	EMI FILTER CHIP	
L2444	J0JDC0000105	EMI FILTER CHIP	
L2445	J0JDC0000105	EMI FILTER CHIP	
L2446	J0JDC0000105	EMI FILTER CHIP	
L2447	J0JDC0000105	EMI FILTER CHIP	
L2501	J0JDC0000105	EMI FILTER CHIP	
L2502	J0JDC0000105	EMI FILTER CHIP	
L2503	J0JDC0000105	EMI FILTER CHIP	
L2504	J0JDC0000105	EMI FILTER CHIP	
L2505	J0JDC0000105	EMI FILTER CHIP	
L2506	J0JDC0000105	EMI FILTER CHIP	
L2507	J0JDC0000105	EMI FILTER CHIP	
L2508	J0JDC0000105	EMI FILTER CHIP	
L2509	J0JDC0000105	EMI FILTER CHIP	
L2510	J0JDC0000105	EMI FILTER CHIP	
L2511	J0JDC0000105	EMI FILTER CHIP	
L2512	J0JDC0000105	EMI FILTER CHIP	
L2513	J0JDC0000105	EMI FILTER CHIP	
L2514	J0JDC0000105	EMI FILTER CHIP	
L2515	J0JDC0000105	EMI FILTER CHIP	
L2516	J0JDC0000105	EMI FILTER CHIP	
L2517	J0JDC0000105	EMI FILTER CHIP	
L2518	J0JDC0000105	EMI FILTER CHIP	
L2519	J0JDC0000105	EMI FILTER CHIP	
L2520	J0JDC0000105	EMI FILTER CHIP	
L2521	J0JDC0000105	EMI FILTER CHIP	
L2522	J0JDC0000105	EMI FILTER CHIP	
L2523	J0JDC0000105	EMI FILTER CHIP	
L2524	J0JDC0000105	EMI FILTER CHIP	
L2525	J0JDC0000105	EMI FILTER CHIP	
L2526	J0JDC0000105	EMI FILTER CHIP	
L2527	J0JDC0000105	EMI FILTER CHIP	
L2528	J0JDC0000105	EMI FILTER CHIP	
L2529	J0JDC0000105	EMI FILTER CHIP	
L2530	J0JDC0000105	EMI FILTER CHIP	
L2531	J0JDC0000105	EMI FILTER CHIP	
L2532	J0JDC0000105	EMI FILTER CHIP	
L2533	J0JDC0000105	EMI FILTER CHIP	
L2534	J0JDC0000105	EMI FILTER CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
L2535	J0JDC0000105	EMI FILTER CHIP	
L2536	J0JDC0000105	EMI FILTER CHIP	
L2537	J0JCC0000077	EMI FILTER CHIP	
L2538	J0JDC0000105	EMI FILTER CHIP	
L2539	J0JDC0000105	EMI FILTER CHIP	
L2540	J0JDC0000105	EMI FILTER CHIP	
L2541	J0JDC0000105	EMI FILTER CHIP	
L2542	J0JDC0000105	EMI FILTER CHIP	
L2543	J0JDC0000105	EMI FILTER CHIP	
L2544	J0JDC0000105	EMI FILTER CHIP	
L2545	J0JDC0000105	EMI FILTER CHIP	
L2546	J0JDC0000105	EMI FILTER CHIP	
L2547	J0JDC0000105	EMI FILTER CHIP	
L2548	J0JDC0000105	EMI FILTER CHIP	
L2549	J0JDC0000105	EMI FILTER CHIP	
L2550	J0JDC0000105	EMI FILTER CHIP	
L2551	J0JDC0000105	EMI FILTER CHIP	
L2552	J0JDC0000105	EMI FILTER CHIP	
L2553	J0JDC0000105	EMI FILTER CHIP	
L2554	J0JDC0000105	EMI FILTER CHIP	
L2555	J0JDC0000105	EMI FILTER CHIP	
L2556	J0JDC0000105	EMI FILTER CHIP	
L2557	J0JDC0000105	EMI FILTER CHIP	
L2558	J0JDC0000105	EMI FILTER CHIP	
L2559	J0JDC0000105	EMI FILTER CHIP	
L2560	J0JDC0000105	EMI FILTER CHIP	
L2561	J0JDC0000105	EMI FILTER CHIP	
L2562	J0JDC0000105	EMI FILTER CHIP	
L2563	J0JDC0000105	EMI FILTER CHIP	
L2564	J0JDC0000105	EMI FILTER CHIP	
L2565	J0JDC0000105	EMI FILTER CHIP	
L2566	J0JDC0000105	EMI FILTER CHIP	
L2567	J0JDC0000105	EMI FILTER CHIP	
L2568	J0JDC0000105	EMI FILTER CHIP	
L2569	J0JDC0000105	EMI FILTER CHIP	
L2570	J0JDC0000105	EMI FILTER CHIP	
L2571	J0JDC0000105	EMI FILTER CHIP	
L2572	J0JDC0000105	EMI FILTER CHIP	
L2573	J0JDC0000105	EMI FILTER CHIP	
L2574	J0JDC0000105	EMI FILTER CHIP	
L2575	J0JDC0000105	EMI FILTER CHIP	
L2576	J0JDC0000105	EMI FILTER CHIP	
L2577	J0JDC0000105	EMI FILTER CHIP	
L2578	J0JDC0000105	EMI FILTER CHIP	
L2579	J0JDC0000105	EMI FILTER CHIP	
L2580	J0JDC0000105	EMI FILTER CHIP	
L2581	J0JDC0000105	EMI FILTER CHIP	
L2582	J0JDC0000105	EMI FILTER CHIP	
L2583	J0JDC0000105	EMI FILTER CHIP	
L2584	J0JDC0000105	EMI FILTER CHIP	
L2585	J0JDC0000105	EMI FILTER CHIP	
L2586	J0JDC0000105	EMI FILTER CHIP	
L2587	J0JDC0000105	EMI FILTER CHIP	
L2588	J0JDC0000105	EMI FILTER CHIP	
L2589	J0JDC0000105	EMI FILTER CHIP	
L2590	J0JDC0000105	EMI FILTER CHIP	
L2591	J0JDC0000105	EMI FILTER CHIP	
L2592	J0JDC0000105	EMI FILTER CHIP	
L2593	J0JDC0000105	EMI FILTER CHIP	
L2594	J0JDC0000105	EMI FILTER CHIP	
L2595	J0JDC0000105	EMI FILTER CHIP	
L2596	J0JDC0000105	EMI FILTER CHIP	
L2597	J0JDC0000105	EMI FILTER CHIP	
L2598	J0JDC0000105	EMI FILTER CHIP	
L2599	J0JDC0000105	EMI FILTER CHIP	
L2702	G1C220MA0234	COIL CHIP 22UH	
L2703	G1C331MA0078	COIL CHIP 330UH	
L2901	J0JHC0000031	EMI FILTER CHIP	
L2912	J0JCC0000077	EMI FILTER CHIP	
L2913	J0JCC0000077	EMI FILTER CHIP	
L2914	J0JCC0000077	EMI FILTER CHIP	
L2915	J0JCC0000077	EMI FILTER CHIP	
L2916	J0JCC0000077	EMI FILTER CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
L2917	J0JCC0000077	EMI FILTER CHIP	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
CN2001	K1MY84BA0200	CONNECTOR 84P	
CN2101	K1MY84BA0200	CONNECTOR 84P	
CN2201	K1MY84BA0200	CONNECTOR 84P	
CN2901	K1KY50AA0299	CONNECTOR 50P	